TECHNICAL SUPPORT DOCUMENT:
APPENDICES

CARBON MONOXIDE REDESIGNATION REQUEST AND MAINTENANCE PLAN FOR THE DENVER METROPOLITAN AREA

January 4, 2000

Colorado Department of Public Health & Environment
Air Pollution Control Division
Technical Services Program
4300 Cherry Creek Drive South
Denver, Colorado 80246

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2006 Dispersion Modeling Domain

AM Peak VMT

ROAD[x] CLASS	AREA[y] TYPE	AM PD1	AM PD2	AM PD3	AM TOTAL
	2	142,997.3	79,145.0	84,009.3	306,151.7
	3	386,380.9	214,527.3	228,403.9	829,312.1
	4	768,022.5	461,265.8	517,559.4	1,746,847.7
	5	280,792.2	172,080.6	195,697.9	648,570.7
1		1,578,192.9	927,018.8	1,025,670.5	3,530,882.2
	2	12,998.9	7,720.1	8,467.1	29,186.1
	3	45,015.6	25,794.0	28,313.4	99,122.9
	4	129,469.0	77,936.2	88,220.2	295,625.4
	5	37,136.3	22,951.0	26,359.0	86,446.3
2		224,619.8	134,401.3	151,359.7	510,380.7
	1	22,246.6	14,062.7	16,151.0	52,460.3
	2	83,933.9	49,246.8	54,672.3	187,853.1
	3	483,848.0	290,234.9	325,607.4	1,099,690.3
	4	595,460.9	360,072.1	409,445.6	1,364,978.6
	5	112,037.2	73,767.0	88,536.9	274,341.1
3		1,297,526.7	787,383.5	894,413.2	2,979,323.4
	1	11,702.0	7,234.9	8,341.9	27,278.9
	2	34,690.2	21,946.7	25,567.4	82,204.3
	3	167,842.8	106,098.5	123,273.7	397,214.9
	4	272,393.4	180,134.8	216,887.7	669,416.0
	5	80,773.7	58,049.2	76,090.9	214,913.9
4		567,402.3	373,464.1	450,161.7	1,391,028.0
	1	3,252.5	2,355.4	3,088.2	8,696.1
	2	15,692.3	12,901.7	17,416.2	46,010.1
	3	83,103.8	76,150.7	112,717.1	271,971.5
	4	116,641.3	91,504.0	126,354.3	334,499.6
	5	48,563.4	33,219.1	46,250.6	128,033.1
5		267,253.3	216,130.8	305,826.3	789,210.4
	2	6,416.3	3,777.7	4,310.4	14,504.4
	3	17,162.7	9,758.4	10,817.7	37,738.8
	4	25,384.7	15,066.1	17,200.9	57,651.7
	5	3,008.2	1,912.6	2,207.8	7,128.5
6		51,971.8	30,514.8	34,536.8	117,023.3
	1	2,623.5	1,595.6	1,818.2	6,037.3
	2	21,982.8	13,450.7	15,332.9	50,766.3
	3	109,852.6	66,973.8	76,112.0	252,938.4
	4	170,223.0	104,371.3	119,312.4	393,906.7
	5	68,404.1	41,965.9	47,857.2	158,227.1
8		373,085.9	228,357.2	260,432.6	861,875.8
		4,360,052.6	2,697,270.5	3,122,400.7	10,179,723.9

[x] Road Types: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial, 5=Collector, 6=Ramp, 7=Frontage, 8=Local
[y] Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

2006 Dispersion Modeling Domain

PM Peak VMT

ROAD[z] CLASS	AREA[aa] TYPE	PM PD1	PM PD2	PM PD3	PM TOTAL
	2	418,946.5	158,046.5	83,624.8	660,617.9
	3	1,183,328.0	450,783.7	239,701.1	1,873,812.9
	4	2,314,071.9	1,017,515.7	570,115.3	3,901,702.9
	5	817,987.5	375,493.3	214,655.6	1,408,136.3
1		4,734,333.9	2,001,839.3	1,108,096.9	7,844,270.1
	2	40,058.6	16,722.2	9,204.2	65,985.0
	3	134,883.6	53,203.0	29,058.9	217,145.5
	4	390,740.7	167,205.4	94,810.3	652,756.3
	5	105,013.3	51,549.1	31,272.9	187,835.2
2		670,696.2	288,679.6	164,346.3	1,123,722.0
	1	69,474.3	32,422.8	18,633.7	120,530.8
	2	256,053.1	109,408.5	60,715.5	426,177.1
	3	1,524,929.2	654,964.7	365,569.5	2,545,463.4
	4	1,843,885.9	805,504.9	455,693.1	3,105,083.9
	5	315,502.7	153,073.1	91,946.9	560,522.7
3		4,009,845.3	1,755,373.9	992,558.6	6,757,777.8
	1	37,036.5	16,681.0	9,470.9	63,188.5
	2	111,166.9	51,249.3	29,758.4	192,174.7
	3	521,726.2	247,531.0	141,536.1	910,793.3
	4	859,413.3	429,505.4	255,889.7	1,544,808.4
	5	218,194.7	117,159.5	80,639.0	415,993.2
4		1,747,537.6	862,126.2	517,294.1	3,126,958.0
	1	10,209.8	6,052.4	4,085.3	20,347.5
	2	44,601.5	30,639.5	20,856.1	96,097.2
	3	235,865.1	190,162.1	140,060.6	566,087.8
	4	315,513.8	209,872.5	148,870.5	674,256.8
	5	131,792.0	67,061.2	44,503.7	243,357.0
5		737,982.2	503,787.8	358,376.3	1,600,146.2
	2	22,122.2	8,820.6	4,882.2	35,824.9
	3	53,693.7	21,244.8	11,741.0	86,679.5
	4	75,572.7	31,560.0	18,098.0	125,230.7
	5	8,074.0	3,904.4	2,291.4	14,269.8
6		159,462.5	65,529.8	37,012.7	262,005.0
	1	8,905.8	3,941.3	2,249.5	15,096.6
	2	69,815.1	31,192.0	17,782.9	118,790.0
	3	376,678.9	167,313.1	95,390.6	639,382.6
	4	604,710.7	270,825.3	155,421.5	1,030,957.5
	5	208,258.7	93,022.0	53,371.9	354,652.7
8		1,268,369.2	566,293.7	324,216.5	2,158,879.4
		13,328,226.9	6,043,630.3	3,501,901.4	22,873,758.6

[z] Road Types: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial, 5=Collector, 6=Ramp, 7=Frontage, 8=Local
[aa] Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

2006 Dispersion Modeling Domain

Off Peak VMT

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF VMT
	2	254,289.7	287,962.1	585,928.5	131,361.9	1,259,542.2
	3	682,827.6	769,572.9	1,602,496.9	365,550.5	3,420,447.9
	4	1,126,258.3	1,330,196.4	2,891,912.8	702,089.5	6,050,457.1
	5	453,769.9	531,207.4	1,167,963.4	285,733.4	2,438,674.2
1		2,517,145.5	2,918,938.9	6,248,301.7	1,484,735.3	13,169,121.4
	2	20,486.7	23,456.1	51,549.7	12,126.5	107,619.0
	3	70,132.6	82,640.8	169,414.2	37,832.3	360,019.9
	4	186,790.0	218,089.7	479,572.1	117,229.9	1,001,681.7
	5	49,940.0	59,149.2	132,779.0	33,256.8	275,125.0
2		327,349.3	383,335.8	833,315.0	200,445.6	1,744,445.7
	1	25,739.4	30,596.1	70,603.3	18,682.9	145,621.8
	2	114,300.1	137,906.6	309,901.6	75,954.3	638,062.6
	3	656,332.0	787,948.5	1,771,654.9	439,864.6	3,655,800.0
	4	919,765.8	1,062,821.9	2,283,719.3	546,734.4	4,813,041.3
	5	141,997.4	166,565.1	370,612.1	94,543.7	773,718.3
3		1,858,134.7	2,185,838.2	4,806,491.2	1,175,780.0	10,026,244.0
	1	15,414.0	18,157.3	41,256.3	10,302.8	85,130.4
	2	45,280.6	53,146.1	120,171.8	30,199.9	248,798.4
	3	198,151.8	236,709.7	559,647.2	144,213.8	1,138,722.5
	4	334,005.5	393,942.5	901,570.4	236,298.3	1,865,816.7
	5	90,897.0	107,762.1	238,263.9	59,816.8	496,739.8
4		683,749.0	809,717.6	1,860,909.7	480,831.5	3,835,207.7
	1	3,779.3	4,408.7	9,806.4	2,461.9	20,456.3
	2	12,497.3	15,314.3	35,995.2	9,873.0	73,679.9
	3	57,103.5	66,437.9	159,317.6	45,844.0	328,703.0
	4	93,215.1	110,604.6	260,274.3	70,717.5	534,811.4
	5	58,019.2	67,700.7	147,753.6	36,182.6	309,656.2
5		224,614.4	264,466.2	613,147.1	165,078.9	1,267,306.7
	2	11,266.3	13,113.5	27,863.2	6,427.3	58,670.2
	3	29,382.0	32,554.3	68,935.9	15,839.8	146,712.0
	4	37,677.7	43,530.7	91,590.1	21,878.5	194,677.0
	5	3,573.1	4,186.7	9,127.4	2,284.0	19,171.3
6		81,899.1	93,385.2	197,516.6	46,429.6	419,230.5
	1	4,279.4	4,977.2	10,848.0	2,648.9	22,753.4
	2	32,822.0	38,278.3	83,713.1	20,340.3	175,153.7
	3	180,749.6	209,529.5	457,807.4	111,277.3	959,363.7
	4	290,109.0	337,914.6	741,337.7	180,523.2	1,549,884.6
	5	101,828.9	117,092.2	256,017.6	62,431.5	537,370.2
8		609,788.7	707,791.8	1,549,723.8	377,221.3	3,244,525.6
		6,302,680.8	7,363,473.8	16,109,405.2	3,930,522.0	33,706,081.8

2006 Nonattainment Area

AM Peak VMT

ROAD CLASS	AREA TYPE	AM PD1	AM PD2	AM PD3	AM TOTAL
	2	142,997.3	79,145.0	84,009.3	306,151.7
	3	386,380.9	214,527.3	228,403.9	829,312.1
	4	750,175.6	451,028.4	506,403.0	1,707,607.0
	5	196,828.3	122,009.2	140,374.6	459,212.2
1		1,476,382.2	866,709.9	959,190.8	3,302,283.0
	2	12,998.9	7,720.1	8,467.1	29,186.1
	3	45,015.6	25,794.0	28,313.4	99,122.9
	4	109,891.9	64,310.0	70,984.2	245,186.2
	5	11,810.8	7,765.2	9,019.7	28,595.7
2		179,717.2	105,589.3	116,784.4	402,090.9
	1	22,246.6	14,062.7	16,151.0	52,460.3
	2	83,933.9	49,246.8	54,672.3	187,853.1
	3	481,643.1	288,991.8	324,123.2	1,094,758.1
	4	569,684.5	344,648.4	391,785.2	1,306,118.2
	5	72,836.4	48,034.7	57,481.2	178,352.3
3		1,230,344.6	744,984.4	844,213.0	2,819,542.0
	1	11,702.0	7,234.9	8,341.9	27,278.9
	2	34,690.2	21,946.7	25,567.4	82,204.3
	3	166,642.1	105,340.0	122,367.9	394,349.9
	4	261,665.0	173,246.6	208,741.1	643,652.7
	5	52,448.1	37,667.2	49,495.9	139,611.2
4		527,147.5	345,435.3	414,514.1	1,287,097.0
	1	3,252.5	2,355.4	3,088.2	8,696.1
	2	15,692.3	12,901.7	17,416.2	46,010.1
	3	82,932.8	76,040.5	112,582.7	271,556.0
	4	113,194.8	89,422.5	124,048.3	326,665.6
	5	39,750.4	27,692.6	39,323.6	106,766.6
5		254,822.8	208,412.7	296,459.0	759,694.5
	2	6,416.3	3,777.7	4,310.4	14,504.4
	3	17,162.7	9,758.4	10,817.7	37,738.8
	4	24,970.3	14,826.8	16,915.4	56,712.4
	5	2,409.2	1,539.0	1,816.0	5,764.2
6		50,958.4	29,901.9	33,859.5	114,719.8
	1	2,623.5	1,595.6	1,818.2	6,037.3
	2	21,982.8	13,450.7	15,332.9	50,766.3
	3	109,126.5	66,532.3	75,607.9	251,266.7
	4	165,186.4	101,263.7	115,761.7	382,211.8
	5	28,332.6	17,497.3	19,897.4	65,727.3
8		327,251.8	200,339.6	228,418.0	756,009.4
		4,046,624.4	2,501,373.2	2,893,438.8	9,441,436.4

2006 Nonattainment Area

PM Peak VMT

ROAD CLASS	AREA TYPE	PM PD1	PM PD2	PM PD3	PM TOTAL
	2	418,946.5	158,046.5	83,624.8	660,617.9
	3	1,183,328.0	450,783.7	239,701.1	1,873,812.9
	4	2,259,631.1	995,512.5	558,427.4	3,813,571.0
	5	559,947.7	265,936.3	155,379.1	981,263.0
1		4,421,853.3	1,870,279.0	1,037,132.5	7,329,264.8
	2	40,058.6	16,722.2	9,204.2	65,985.0
	3	134,883.6	53,203.0	29,058.9	217,145.5
	4	334,898.2	138,333.0	75,971.0	549,202.2
	5	28,643.5	16,579.0	9,930.1	55,152.6
2		538,484.0	224,837.1	124,164.2	887,485.2
	1	69,474.3	32,422.8	18,633.7	120,530.8
	2	256,053.1	109,408.5	60,715.5	426,177.1
	3	1,517,119.3	651,730.5	363,747.7	2,532,597.5
	4	1,764,365.8	769,111.0	435,158.0	2,968,634.9
	5	199,682.5	97,858.8	59,065.0	356,606.3
3		3,806,695.1	1,660,531.5	937,319.9	6,404,546.6
	1	37,036.5	16,681.0	9,470.9	63,188.5
	2	111,166.9	51,249.3	29,758.4	192,174.7
	3	517,715.4	245,460.9	140,314.7	903,491.0
	4	822,029.0	412,653.2	245,972.2	1,480,654.4
	5	138,019.7	77,042.8	51,911.0	266,973.5
4		1,625,967.5	803,087.3	477,427.2	2,906,482.0
	1	10,209.8	6,052.4	4,085.3	20,347.5
	2	44,601.5	30,639.5	20,856.1	96,097.2
	3	235,444.9	189,897.8	139,882.5	565,225.2
	4	303,817.4	204,676.9	145,869.9	654,364.1
	5	106,079.1	54,766.2	36,932.3	197,777.6
5		700,152.7	486,032.8	347,626.2	1,533,811.7
	2	22,122.2	8,820.6	4,882.2	35,824.9
	3	53,693.7	21,244.8	11,741.0	86,679.5
	4	74,500.1	31,109.2	17,832.6	123,441.9
	5	6,129.0	3,068.0	1,845.5	11,042.5
6		156,444.9	64,242.6	36,301.4	256,988.9
	1	8,905.8	3,941.3	2,249.5	15,096.6
	2	69,815.1	31,192.0	17,782.9	118,790.0
	3	374,296.1	166,253.7	94,783.6	635,333.4
	4	587,027.9	262,792.1	150,786.5	1,000,606.5
	5	85,868.0	38,280.3	21,975.6	146,123.9
8		1,125,912.9	502,459.4	287,578.1	1,915,950.4
		12,375,510.4	5,611,469.7	3,247,549.4	21,234,529.5

2006 Nonattainment Area

Off Peak VMT

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF VMT
	2	254,289.7	287,962.1	585,928.5	131,361.9	1,259,542.2
	3	682,827.6	769,572.9	1,602,496.9	365,550.5	3,420,447.9
	4	1,095,665.3	1,294,599.8	2,813,673.1	683,373.5	5,887,311.7
	5	297,927.3	351,762.9	775,289.0	190,655.2	1,615,634.3
1		2,330,709.8	2,703,897.7	5,777,387.6	1,370,941.1	12,182,936.2
	2	20,486.7	23,456.1	51,549.7	12,126.5	107,619.0
	3	70,132.6	82,640.8	169,414.2	37,832.3	360,019.9
	4	158,361.7	185,379.8	407,410.1	99,059.1	850,210.8
	5	10,068.2	11,814.8	28,596.3	7,575.2	58,054.5
2		259,049.2	303,291.6	656,970.3	156,593.2	1,375,904.3
	1	25,739.4	30,596.1	70,603.3	18,682.9	145,621.8
	2	114,300.1	137,906.6	309,901.6	75,954.3	638,062.6
	3	652,417.3	783,325.1	1,761,512.9	437,302.7	3,634,558.0
	4	882,758.6	1,017,875.3	2,184,188.0	522,422.7	4,607,244.5
	5	81,687.2	95,367.1	213,579.2	54,958.4	445,591.9
3		1,756,902.6	2,065,070.1	4,539,785.0	1,109,321.0	9,471,078.8
	1	15,414.0	18,157.3	41,256.3	10,302.8	85,130.4
	2	45,280.6	53,146.1	120,171.8	30,199.9	248,798.4
	3	196,658.2	234,813.7	555,398.4	143,015.4	1,129,885.6
	4	315,622.5	372,741.5	856,556.8	225,107.3	1,770,028.0
	5	55,186.0	64,790.0	143,404.8	36,844.8	300,225.6
4		628,161.3	743,648.6	1,716,788.1	445,470.1	3,534,068.1
	1	3,779.3	4,408.7	9,806.4	2,461.9	20,456.3
	2	12,497.3	15,314.3	35,995.2	9,873.0	73,679.9
	3	56,959.5	66,276.9	158,963.8	45,751.0	327,951.2
	4	87,748.1	103,993.2	245,550.2	67,150.7	504,442.3
	5	45,503.7	53,320.5	116,696.6	28,611.1	244,131.8
5		206,487.9	243,313.6	567,012.3	153,847.7	1,170,661.5
	2	11,266.3	13,113.5	27,863.2	6,427.3	58,670.2
	3	29,382.0	32,554.3	68,935.9	15,839.8	146,712.0
	4	37,134.3	42,883.6	90,155.9	21,532.0	191,705.7
	5	2,700.0	3,169.6	6,894.3	1,753.0	14,516.9
6		80,482.6	91,720.9	193,849.2	45,552.1	411,604.8
	1	4,279.4	4,977.2	10,848.0	2,648.9	22,753.4
	2	32,822.0	38,278.3	83,713.1	20,340.3	175,153.7
	3	179,652.3	208,228.5	454,980.3	110,588.6	953,449.7
	4	281,424.3	327,852.3	719,407.8	175,192.9	1,503,877.5
	5	40,168.9	45,885.8	100,269.2	24,486.4	210,810.4
8		538,346.8	625,222.1	1,369,218.5	333,257.1	2,866,044.6
		5,800,140.2	6,776,164.6	14,821,011.0	3,614,982.3	31,012,298.2

2013 Dispersion Modeling Domain

AM Peak VMT

ROAD CLASS	AREA TYPE	AM PD1	AM PD2	AM PD3	AM TOTAL
	2	151,186.6	82,517.0	87,421.5	321,125.1
	3	424,271.3	234,151.9	249,269.2	907,692.5
	4	881,957.3	534,294.2	598,815.8	2,015,067.4
	5	313,694.3	194,631.4	223,991.9	732,317.5
1		1,771,109.5	1,045,594.5	1,159,498.4	3,976,202.5
	2	18,184.8	10,488.2	11,586.4	40,259.5
	3	184,594.4	104,980.2	113,128.2	402,702.9
	4	436,659.3	261,090.8	292,035.9	989,786.0
	5	77,066.6	50,539.7	58,803.6	186,410.0
2		716,505.2	427,099.0	475,554.1	1,619,158.3
	1	25,274.2	15,633.1	17,728.8	58,636.1
	2	100,119.2	59,330.3	66,000.7	225,450.2
	3	476,055.0	291,478.0	330,365.8	1,097,898.8
	4	576,185.5	351,878.2	401,702.4	1,329,766.1
	5	126,885.1	82,177.8	99,199.2	308,262.0
3		1,304,518.9	800,497.4	914,997.0	3,020,013.3
	1	13,065.0	7,929.6	8,900.7	29,895.4
	2	29,549.8	18,695.9	21,527.3	69,773.0
	3	132,601.0	85,585.2	98,817.2	317,003.4
	4	199,738.8	136,865.8	167,712.6	504,317.3
	5	52,789.2	38,402.6	49,766.9	140,958.7
4		427,743.8	287,479.2	346,724.8	1,061,947.7
	1	4,388.5	3,189.8	4,149.5	11,727.9
	2	16,831.3	14,024.1	18,813.9	49,669.4
	3	77,181.5	72,985.5	110,755.2	260,922.2
	4	120,460.5	95,549.1	132,248.9	348,258.4
	5	51,926.8	36,835.1	51,694.7	140,456.5
5		270,788.6	222,583.7	317,662.1	811,034.4
	2	7,107.9	4,055.9	4,526.7	15,690.6
	3	18,504.4	10,592.7	11,789.6	40,886.6
	4	28,408.6	16,823.0	18,924.6	64,156.2
	5	3,172.4	2,018.0	2,390.8	7,581.2
6		57,193.3	33,489.5	37,631.7	128,314.6
	1	3,472.5	2,112.1	2,392.1	7,976.7
	2	23,987.4	14,653.4	16,659.7	55,300.6
	3	119,431.9	72,961.8	82,795.0	275,188.6
	4	196,024.2	120,163.2	136,945.5	453,132.8
	5	75,265.8	46,048.9	52,497.2	173,811.8
8		418,181.8	255,939.4	291,289.4	965,410.6
		4,966,041.1	3,072,682.7	3,543,357.5	11,582,081.4

2013 Dispersion Modeling Domain

PM Peak VMT

ROAD[bb] CLASS	AREA[cc] TYPE	PM PD1	PM PD2	PM PD3	PM TOTAL
	2	445,447.2	167,696.5	88,683.7	701,827.4
	3	1,293,157.4	489,571.5	259,924.7	2,042,653.7
	4	2,684,485.0	1,195,804.8	669,647.8	4,549,937.5
	5	925,500.2	434,725.9	249,944.4	1,610,170.4
1		5,348,589.8	2,287,798.6	1,268,200.6	8,904,589.0
	2	56,931.7	22,872.8	12,500.7	92,305.2
	3	575,279.4	229,260.0	122,901.0	927,440.4
	4	1,343,288.4	580,558.4	324,182.1	2,248,028.9
	5	217,012.7	107,450.8	63,538.7	388,002.3
2		2,192,512.3	940,141.9	523,122.6	3,655,776.8
	1	77,149.9	35,935.4	20,370.0	133,455.4
	2	311,387.4	132,602.0	73,879.2	517,868.6
	3	1,480,501.3	658,822.3	372,543.3	2,511,866.9
	4	1,800,392.1	795,512.8	456,479.1	3,052,384.0
	5	358,751.5	170,348.1	101,608.1	630,707.7
3		4,028,182.3	1,793,220.6	1,024,879.7	6,846,282.5
	1	41,477.3	17,787.5	9,992.6	69,257.3
	2	94,877.8	43,690.4	25,483.2	164,051.4
	3	404,924.2	199,121.3	115,710.1	719,755.7
	4	624,012.5	323,075.0	197,555.5	1,144,643.0
	5	140,358.2	73,680.5	51,281.4	265,320.1
4		1,305,649.9	657,354.8	400,022.8	2,363,027.5
	1	13,165.0	8,219.7	5,462.4	26,847.0
	2	48,575.7	34,144.0	23,335.0	106,054.6
	3	220,075.9	184,689.9	139,952.7	544,718.5
	4	322,769.2	216,798.2	152,356.4	691,923.8
	5	141,743.5	70,925.3	46,590.4	259,259.2
5		746,329.2	514,777.1	367,696.8	1,628,803.1
	2	24,532.4	9,771.8	5,360.3	39,664.6
	3	57,691.9	22,982.8	12,769.9	93,444.5
	4	85,037.2	35,741.1	19,943.6	140,721.9
	5	8,933.2	4,140.0	2,507.7	15,581.0
6		176,194.7	72,635.8	40,581.5	289,412.0
	1	11,863.2	5,250.0	2,995.7	20,108.9
	2	75,741.8	33,645.4	19,199.0	128,586.1
	3	411,929.4	182,791.7	104,202.1	698,923.2
	4	691,753.9	309,697.2	177,552.7	1,179,003.8
	5	229,189.5	102,446.1	58,663.2	390,298.8
8		1,420,477.7	633,830.4	362,612.6	2,416,920.7
		15,217,935.9	6,899,759.1	3,987,116.6	26,104,811.6

[bb] Road Types: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial, 5=Collector, 6=Ramp, 7=Frontage, 8=Local
[cc] Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

2013 Dispersion Modeling Domain

Off Peak VMT

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF VMT
	2	296,911.1	319,495.5	635,836.6	140,325.5	1,392,568.8
	3	788,741.4	872,007.4	1,793,547.1	404,910.1	3,859,205.9
	4	1,348,904.7	1,572,530.0	3,426,558.8	818,931.7	7,166,925.1
	5	520,534.2	612,539.5	1,354,505.7	330,938.6	2,818,518.0
1		2,955,091.4	3,376,572.4	7,210,448.2	1,695,105.9	15,237,217.9
	2	28,731.1	32,628.7	70,346.5	16,724.5	148,430.7
	3	291,033.5	342,360.5	743,505.7	174,398.0	1,551,297.7
	4	622,224.9	745,719.3	1,662,490.1	408,171.8	3,438,606.0
	5	95,923.1	117,409.9	268,806.9	70,447.0	552,586.8
2		1,037,912.5	1,238,118.3	2,745,149.1	669,741.2	5,690,921.1
	1	29,784.6	36,642.9	84,491.6	21,925.9	172,845.0
	2	139,366.1	173,235.4	385,503.7	92,158.5	790,263.6
	3	626,582.4	759,734.4	1,718,390.6	427,698.2	3,532,405.6
	4	881,907.3	1,025,222.2	2,211,008.1	534,466.4	4,652,604.1
	5	167,978.1	193,568.9	431,847.3	106,313.1	899,707.4
3		1,845,618.5	2,188,403.8	4,831,241.2	1,182,562.1	10,047,825.6
	1	17,822.6	21,120.4	48,091.6	11,838.1	98,872.8
	2	39,403.6	48,000.8	106,336.4	26,506.3	220,247.1
	3	146,957.4	179,697.8	429,379.7	111,547.9	867,582.8
	4	247,941.2	291,970.9	675,540.1	173,458.0	1,388,910.1
	5	60,409.3	72,494.0	161,985.2	39,584.3	334,472.8
4		512,534.2	613,283.8	1,421,333.0	362,934.6	2,910,085.6
	1	5,089.4	5,843.8	12,890.2	3,347.5	27,171.1
	2	13,848.1	16,948.1	41,277.2	11,291.4	83,364.8
	3	61,099.9	71,815.2	169,459.5	46,678.0	349,052.6
	4	107,181.0	128,611.1	299,040.7	77,899.8	612,732.7
	5	63,988.5	77,072.6	170,003.0	40,435.5	351,499.6
5		251,207.1	300,290.8	692,670.6	179,652.3	1,423,820.7
	2	12,138.2	14,333.1	30,851.5	7,253.8	64,576.6
	3	33,147.6	35,780.8	74,911.3	17,240.7	161,080.4
	4	44,371.5	50,526.4	106,658.9	25,184.1	226,740.9
	5	4,076.5	4,736.6	10,555.3	2,579.7	21,948.1
6		93,733.7	105,376.9	222,977.1	52,258.3	474,346.1
	1	5,799.0	6,707.4	14,700.5	3,534.8	30,741.8
	2	36,344.2	42,315.6	92,568.5	22,300.3	193,528.6
	3	201,253.8	233,526.8	511,548.3	123,433.4	1,069,762.3
	4	339,635.4	394,952.8	864,838.2	209,066.6	1,808,493.0
	5	115,353.1	133,692.6	293,373.3	70,628.1	613,047.2
8		698,385.5	811,195.2	1,777,028.9	428,963.3	3,715,572.9
		7,394,482.8	8,633,241.2	18,900,848.2	4,571,217.7	39,499,789.9

2013 Nonattainment Area

AM Peak VMT

ROAD CLASS	AREA TYPE	AM PD1	AM PD2	AM PD3	AM TOTAL
	2	151,186.6	82,517.0	87,421.5	321,125.1
	3	424,271.3	234,151.9	249,269.2	907,692.5
	4	860,881.7	521,573.6	584,637.9	1,967,093.3
	5	215,240.7	134,876.1	155,651.0	505,767.7
1		1,651,580.3	973,118.7	1,076,979.6	3,701,678.6
	2	18,184.8	10,488.2	11,586.4	40,259.5
	3	184,594.4	104,980.2	113,128.2	402,702.9
	4	402,495.8	239,926.3	266,383.6	908,805.6
	5	51,329.3	34,325.0	40,408.5	126,062.7
2		656,604.3	389,719.7	431,506.7	1,477,830.7
	1	25,274.2	15,633.1	17,728.8	58,636.1
	2	100,119.2	59,330.3	66,000.7	225,450.2
	3	473,238.6	289,810.0	328,436.8	1,091,485.5
	4	540,592.7	330,753.4	377,934.2	1,249,280.3
	5	85,315.6	54,767.7	65,346.5	205,429.8
3		1,224,540.3	750,294.6	855,446.9	2,830,281.9
	1	13,065.0	7,929.6	8,900.7	29,895.4
	2	29,549.8	18,695.9	21,527.3	69,773.0
	3	131,520.2	84,868.4	98,013.3	314,402.0
	4	191,044.5	131,363.6	161,404.9	483,813.0
	5	29,644.4	21,793.5	28,723.9	80,161.7
4		394,824.0	264,651.0	318,570.1	978,045.1
	1	4,388.5	3,189.8	4,149.5	11,727.9
	2	16,831.3	14,024.1	18,813.9	49,669.4
	3	77,054.2	72,885.9	110,600.5	260,540.7
	4	116,202.0	92,910.3	129,119.2	338,231.6
	5	42,279.5	30,700.4	44,350.6	117,330.5
5		256,755.6	213,710.6	307,033.7	777,500.0
	2	7,107.9	4,055.9	4,526.7	15,690.6
	3	18,504.4	10,592.7	11,789.6	40,886.6
	4	27,921.8	16,528.1	18,585.5	63,035.4
	5	2,517.9	1,621.1	1,914.0	6,052.9
6		56,051.9	32,797.7	36,815.9	125,665.5
	1	3,472.5	2,112.1	2,392.1	7,976.7
	2	23,987.4	14,653.4	16,659.7	55,300.6
	3	118,663.4	72,490.2	82,261.1	273,414.8
	4	188,816.7	115,729.0	131,901.8	436,447.4
	5	32,957.9	20,222.4	22,980.6	76,160.8
8		367,897.9	225,207.2	256,195.3	849,300.3
		4,608,254.3	2,849,499.5	3,282,548.3	10,740,302.1

2013 Nonattainment Area

PM Peak VMT

ROAD CLASS	AREA TYPE	PM PD1	PM PD2	PM PD3	PM TOTAL
	2	445,447.2	167,696.5	88,683.7	701,827.4
	3	1,293,157.4	489,571.5	259,924.7	2,042,653.7
	4	2,620,441.0	1,167,806.7	654,175.7	4,442,423.3
	5	623,315.8	299,865.0	173,060.8	1,096,241.7
1		4,982,361.4	2,124,939.7	1,175,844.9	8,283,146.0
	2	56,931.7	22,872.8	12,500.7	92,305.2
	3	575,279.4	229,260.0	122,901.0	927,440.4
	4	1,240,999.7	533,571.1	295,195.5	2,069,766.3
	5	137,289.0	70,670.1	42,090.4	250,049.4
2		2,010,499.9	856,374.0	472,687.6	3,339,561.5
	1	77,149.9	35,935.4	20,370.0	133,455.4
	2	311,387.4	132,602.0	73,879.2	517,868.6
	3	1,470,307.7	654,684.5	370,189.5	2,495,181.7
	4	1,688,721.1	745,865.5	428,294.6	2,862,881.3
	5	237,404.4	111,897.9	66,404.7	415,707.0
3		3,784,970.5	1,680,985.4	959,138.0	6,425,093.9
	1	41,477.3	17,787.5	9,992.6	69,257.3
	2	94,877.8	43,690.4	25,483.2	164,051.4
	3	401,568.8	197,301.5	114,640.3	713,510.6
	4	593,462.4	309,283.5	189,461.3	1,092,207.2
	5	75,099.0	42,238.4	30,771.5	148,108.9
4		1,206,485.2	610,301.3	370,348.8	2,187,135.3
	1	13,165.0	8,219.7	5,462.4	26,847.0
	2	48,575.7	34,144.0	23,335.0	106,054.6
	3	219,733.1	184,436.0	139,780.9	543,950.1
	4	308,016.1	210,095.0	148,433.4	666,544.6
	5	113,950.4	58,222.3	38,844.1	211,016.8
5		703,440.4	495,117.0	355,855.7	1,554,413.0
	2	24,532.4	9,771.8	5,360.3	39,664.6
	3	57,691.9	22,982.8	12,769.9	93,444.5
	4	83,873.4	35,223.2	19,603.6	138,700.1
	5	6,740.9	3,138.8	1,926.6	11,806.2
6		172,838.5	71,116.5	39,660.4	283,615.4
	1	11,863.2	5,250.0	2,995.7	20,108.9
	2	75,741.8	33,645.4	19,199.0	128,586.1
	3	409,396.3	181,656.9	103,554.8	694,608.0
	4	666,347.5	298,298.3	170,994.0	1,135,639.8
	5	99,990.1	44,677.5	25,543.4	170,211.0
8		1,263,338.8	563,528.0	322,286.8	2,149,153.7
		14,123,934.7	6,402,362.0	3,695,822.2	24,222,118.9

2013 Nonattainment Area

Off Peak VMT

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF VMT
	2	296,911.1	319,495.5	635,836.6	140,325.5	1,392,568.8
	3	788,741.4	872,007.4	1,793,547.1	404,910.1	3,859,205.9
	4	1,314,001.0	1,530,484.8	3,333,028.1	796,049.4	6,973,563.3
	5	340,291.9	397,801.7	877,839.4	214,663.0	1,830,596.0
1		2,739,945.4	3,119,789.4	6,640,251.2	1,555,948.1	14,055,934.1
	2	28,731.1	32,628.7	70,346.5	16,724.5	148,430.7
	3	291,033.5	342,360.5	743,505.7	174,398.0	1,551,297.7
	4	569,607.4	683,024.6	1,524,398.4	374,805.2	3,151,835.7
	5	48,471.8	61,053.9	144,415.5	40,326.8	294,268.0
2		937,843.8	1,119,067.7	2,482,666.1	606,254.5	5,145,832.1
	1	29,784.6	36,642.9	84,491.6	21,925.9	172,845.0
	2	139,366.1	173,235.4	385,503.7	92,158.5	790,263.6
	3	621,214.0	753,428.7	1,704,507.6	424,254.0	3,503,404.4
	4	824,110.7	958,295.1	2,068,512.2	499,755.6	4,350,673.6
	5	107,770.4	123,245.2	273,170.4	66,918.7	571,104.7
3		1,722,245.8	2,044,847.3	4,516,185.5	1,105,012.7	9,388,291.2
	1	17,822.6	21,120.4	48,091.6	11,838.1	98,872.8
	2	39,403.6	48,000.8	106,336.4	26,506.3	220,247.1
	3	145,545.8	178,014.8	425,629.2	110,555.9	859,745.7
	4	232,427.2	274,023.6	634,688.3	163,867.4	1,305,006.4
	5	29,312.0	36,409.1	81,702.3	20,416.5	167,840.0
4		464,511.2	557,568.8	1,296,447.8	333,184.2	2,651,712.0
	1	5,089.4	5,843.8	12,890.2	3,347.5	27,171.1
	2	13,848.1	16,948.1	41,277.2	11,291.4	83,364.8
	3	61,002.9	71,699.2	169,194.3	46,608.2	348,504.6
	4	99,957.2	120,266.4	280,264.8	73,373.8	573,862.3
	5	50,628.5	61,831.5	135,471.9	32,235.9	280,167.8
5		230,526.2	276,589.0	639,098.4	166,856.9	1,313,070.5
	2	12,138.2	14,333.1	30,851.5	7,253.8	64,576.6
	3	33,147.6	35,780.8	74,911.3	17,240.7	161,080.4
	4	43,750.6	49,796.7	105,047.6	24,801.6	223,396.5
	5	3,163.9	3,617.3	7,983.8	1,954.3	16,719.3
6		92,200.2	103,527.9	218,794.3	51,250.4	465,772.8
	1	5,799.0	6,707.4	14,700.5	3,534.8	30,741.8
	2	36,344.2	42,315.6	92,568.5	22,300.3	193,528.6
	3	200,045.4	232,101.7	508,429.0	122,687.3	1,063,263.4
	4	327,011.6	380,307.1	832,834.8	201,344.5	1,741,498.0
	5	48,427.0	55,564.4	121,725.2	29,152.5	254,869.2
8		617,627.1	716,996.2	1,570,258.0	379,019.6	3,283,900.9
		6,804,899.7	7,938,386.3	17,363,701.3	4,197,526.3	36,304,513.5

Appendix B – Mobile Source Emissions Modeling: Mobile5b input/output and FORTRAN algorithm for NLEV Credit Estimate

```
1          PROMPT                      # No prompting, vertical format
2006 CO Redesignation; small stuff plus; SIP cp;  mechanics training
1          TAMFLG                      # Use MOBILE 5 tampering rates
1          SPDFLG                      # Use one speed for all vehicle types
2          VMFLAG                      # Each scenario has its own VMT mix
3          MYMRFG                      # Use local registration distribution
1          NEWFLG                      # Use MOBILE 5 BER's
6          IMFLAG                      # Use one I/M programs
1          ALHFLG                      # No additional correction factors
2          ATPFLG                      # Anti-tampering, no press/purge check
1          RLFLAG                      # Uncontrolled refueling emission rates
2          LOCFLG                      # Only one LAP record
2          TEMFLG                      # MOBILE 5 uses max and min temp.
2          OUTFMT                      # 80 column descriptive format
2          PRTFLG                      # Calculate CO only
1          IDLFLG                      # No idle emissions
3          NMHFLG                      # VOC emission factors
1          HCFLAG                      # No component emission factor output
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDGV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT1
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT2
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .066 .062 .049 .050 .052 .084 .096 .069 .064 .042  # Colorado HDGV
 .052 .054 .044 .030 .026 .025 .027 .027 .027 .018  # registration distribution
 .014 .011 .007 .004 .000
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDDV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDDT
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .110 .095 .116 .113 .080 .102 .079 .062 .037 .050  # Colorado HDDV
 .048 .055 .044 .001 .001 .001 .001 .001 .001 .001  # registration distribution
 .001 .001 .000 .000 .000
 .001 .001 .001 .001 .001 .001 .001 .001 .001 .001  # Colorado MC
 .001 .989 .000 .000 .000 .000 .000 .000 .000 .000  # registration distribution
 .000 .000 .000 .000 .000
2 1 2 1
82 20 82 02 00 00 098 1 2 2221 4222   .6 10.0  1.5
82 20 82 02 00 00 098 1 2 1112 2222 220.  1.2 999.
TECH12RSD80.D
IMDATRSD80.D
82 75 02 2222 12 098. 22111112
                 C  26.  52. 12.4 12.4 92 2
.001 .999 .027 .015 2
2  6 21.5 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  1 CBD      PRINCIPAL ARTERIAL
2  6 18.7 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  1 CBD      MINOR ARTERIAL
2  6 17.1 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  1 CBD      COLLECTOR
2  6 11.4 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  1 CBD      LOCAL
2  6 36.3 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  1 FRINGE   FREEWAY
2  6 30.4 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  1 FRINGE   MAJOR REGIONAL
2  6 24.8 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   PRINCIPAL ARTERIAL
2  6 22.1 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   MINOR ARTERIAL
2  6 21.1 27.0 22.0  2.0 22.0
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   COLLECTOR
2  6 30.3 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   RAMP
2  6 13.1 27.0 22.0  1.0 23.0
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   LOCAL
2  6 40.2 27.0 22.0  2.0 22.0
.644.187.088.023.002.002.054.000    6 AM  1 URBAN    FREEWAY
2  6 32.8 27.0 24.0  2.0 24.0
.584.226.106.024.002.002.056.000    6 AM  1 URBAN    MAJOR REGIONAL
2  6 28.8 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  1 URBAN    PRINCIPAL ARTERIAL
2  6 27.2 27.0 81.0  7.0 83.0
.683.171.080.018.002.002.044.000    6 AM  1 URBAN    MINOR ARTERIAL
2  6 23.2 27.0 69.0  7.0 71.0
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.652.181.085.023.002.002.055.000    6 AM  1 URBAN    COLLECTOR
2  6 31.7 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  1 URBAN    RAMP
2  6 16.3 27.0 44.0  4.0 46.0
.652.181.085.023.002.002.055.000    6 AM  1 URBAN    LOCAL
2  6 45.6 27.0 28.0  2.0 28.0
.570.234.109.024.002.003.058.000    6 AM  1 SUBURBAN FREEWAY
2  6 36.5 27.0 19.0  2.0 19.0
.514.241.113.037.002.003.090.000    6 AM  1 SUBURBAN MAJOR REGIONAL
2  6 34.0 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  1 SUBURBAN PRINCIPAL ARTERIAL
2  6 32.7 27.0 77.0  8.0 77.0
.637.194.091.022.002.002.052.000    6 AM  1 SUBURBAN MINOR ARTERIAL
2  6 27.6 27.0 73.0  7.0 73.0
.626.229.107.010.002.002.024.000    6 AM  1 SUBURBAN COLLECTOR
2  6 30.5 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  1 SUBURBAN RAMP
2  6 19.8 27.0 52.0  5.0 52.0
.626.229.107.010.002.002.024.000    6 AM  1 SUBURBAN LOCAL
2  6 59.0 27.0 36.0  1.0 35.0
.389.222.104.083.001.002.199.000    6 AM  1 RURAL    FREEWAY
2  6 45.0 27.0  8.0  0.0  8.0
.493.225.105.051.002.002.122.000    6 AM  1 RURAL    MAJOR REGIONAL
2  6 42.3 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    PRINCIPAL ARTERIAL
2  6 41.5 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    MINOR ARTERIAL
2  6 31.7 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    COLLECTOR
2  6 34.9 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    RAMP
2  6 21.9 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    LOCAL
2  6 16.3 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  2 CBD      PRINCIPAL ARTERIAL
2  6 14.5 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  2 CBD      MINOR ARTERIAL
2  6 15.2 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  2 CBD      COLLECTOR
2  6 11.4 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  2 CBD      LOCAL
2  6 27.8 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  2 FRINGE   FREEWAY
2  6 23.1 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  2 FRINGE   MAJOR REGIONAL
2  6 19.1 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   PRINCIPAL ARTERIAL
2  6 17.3 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   MINOR ARTERIAL
2  6 17.9 27.0 22.0  2.0 22.0
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   COLLECTOR
2  6 26.3 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   RAMP
2  6 13.1 27.0 22.0  1.0 23.0
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   LOCAL
2  6 32.2 27.0 22.0  2.0 22.0
.644.187.088.023.002.002.054.000    6 AM  2 URBAN    FREEWAY
2  6 27.9 27.0 24.0  2.0 24.0
.584.226.106.024.002.002.056.000    6 AM  2 URBAN    MAJOR REGIONAL
2  6 23.2 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  2 URBAN    PRINCIPAL ARTERIAL
2  6 22.1 27.0 81.0  7.0 83.0
.683.171.080.018.002.002.044.000    6 AM  2 URBAN    MINOR ARTERIAL
2  6 20.6 27.0 69.0  7.0 71.0
.652.181.085.023.002.002.055.000    6 AM  2 URBAN    COLLECTOR
2  6 28.5 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  2 URBAN    RAMP
2  6 16.3 27.0 44.0  4.0 46.0
.652.181.085.023.002.002.055.000    6 AM  2 URBAN    LOCAL
2  6 38.7 27.0 28.0  2.0 28.0
.570.234.109.024.002.003.058.000    6 AM  2 SUBURBAN FREEWAY
2  6 30.8 27.0 19.0  2.0 19.0
.514.241.113.037.002.003.090.000    6 AM  2 SUBURBAN MAJOR REGIONAL
2  6 27.6 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  2 SUBURBAN PRINCIPAL ARTERIAL
2  6 27.3 27.0 77.0  8.0 77.0
.637.194.091.022.002.002.052.000    6 AM  2 SUBURBAN MINOR ARTERIAL
2  6 24.3 27.0 73.0  7.0 73.0
.626.229.107.010.002.002.024.000    6 AM  2 SUBURBAN COLLECTOR
2  6 27.9 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  2 SUBURBAN RAMP
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2  6 19.8 27.0 52.0  5.0 52.0
.626.229.107.010.002.002.024.000    6 AM  2 SUBURBAN LOCAL
2  6 53.5 27.0 36.0  1.0 35.0
.389.222.104.083.001.002.199.000    6 AM  2 RURAL    FREEWAY
2  6 39.9 27.0  8.0  0.0  8.0
.493.225.105.051.002.002.122.000    6 AM  2 RURAL    MAJOR REGIONAL
2  6 38.5 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    PRINCIPAL ARTERIAL
2  6 38.5 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    MINOR ARTERIAL
2  6 29.7 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    COLLECTOR
2  6 31.1 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    RAMP
2  6 21.9 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    LOCAL
2  6 11.8 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  3 CBD      PRINCIPAL ARTERIAL
2  6 11.3 27.0 16.0  8.0 16.0
.595.214.100.026.002.002.061.000    6 AM  3 CBD      MINOR ARTERIAL
2  6 12.9 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  3 CBD      COLLECTOR
2  6 11.4 27.0  7.0 11.0  7.0
.595.214.100.026.002.002.061.000    6 AM  3 CBD      LOCAL
2  6 21.1 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  3 FRINGE   FREEWAY
2  6 17.8 27.0  8.0  1.0  8.0
.571.218.102.031.002.002.074.000    6 AM  3 FRINGE   MAJOR REGIONAL
2  6 14.1 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   PRINCIPAL ARTERIAL
2  6 12.9 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   MINOR ARTERIAL
2  6 14.5 27.0 22.0  2.0 22.0
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   COLLECTOR
2  6 22.0 27.0 41.0  5.0 42.0
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   RAMP
2  6 13.1 27.0 22.0  1.0 23.0
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   LOCAL
2  6 25.6 27.0 22.0  2.0 22.0
.644.187.088.023.002.002.054.000    6 AM  3 URBAN    FREEWAY
2  6 22.3 27.0 24.0  2.0 24.0
.584.226.106.024.002.002.056.000    6 AM  3 URBAN    MAJOR REGIONAL
2  6 18.2 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  3 URBAN    PRINCIPAL ARTERIAL
2  6 17.3 27.0 81.0  7.0 83.0
.683.171.080.018.002.002.044.000    6 AM  3 URBAN    MINOR ARTERIAL
2  6 17.4 27.0 69.0  7.0 71.0
.652.181.085.023.002.002.055.000    6 AM  3 URBAN    COLLECTOR
2  6 25.1 27.0 39.0  4.0 40.0
.641.190.089.022.002.002.054.000    6 AM  3 URBAN    RAMP
2  6 16.3 27.0 44.0  4.0 46.0
.652.181.085.023.002.002.055.000    6 AM  3 URBAN    LOCAL
2  6 31.7 27.0 28.0  2.0 28.0
.570.234.109.024.002.003.058.000    6 AM  3 SUBURBAN FREEWAY
2  6 26.5 27.0 19.0  2.0 19.0
.514.241.113.037.002.003.090.000    6 AM  3 SUBURBAN MAJOR REGIONAL
2  6 21.8 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  3 SUBURBAN PRINCIPAL ARTERIAL
2  6 21.3 27.0 77.0  8.0 77.0
.637.194.091.022.002.002.052.000    6 AM  3 SUBURBAN MINOR ARTERIAL
2  6 20.9 27.0 73.0  7.0 73.0
.626.229.107.010.002.002.024.000    6 AM  3 SUBURBAN COLLECTOR
2  6 25.2 27.0 39.0  3.0 39.0
.583.227.106.024.002.002.056.000    6 AM  3 SUBURBAN RAMP
2  6 19.8 27.0 52.0  5.0 52.0
.626.229.107.010.002.002.024.000    6 AM  3 SUBURBAN LOCAL
2  6 47.5 27.0 36.0  1.0 35.0
.389.222.104.083.001.002.199.000    6 AM  3 RURAL    FREEWAY
2  6 34.3 27.0  8.0  0.0  8.0
.493.225.105.051.002.002.122.000    6 AM  3 RURAL    MAJOR REGIONAL
2  6 34.5 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    PRINCIPAL ARTERIAL
2  6 34.5 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    MINOR ARTERIAL
2  6 27.7 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    COLLECTOR
2  6 26.1 27.0 13.0  1.0 13.0
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    RAMP
2  6 21.9 27.0 57.0  2.0 57.0
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    LOCAL
2  6 23.2 52.0 46.0 12.0 59.0
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.648.173.081.028.002.002.066.000    6 PM  4 CBD      PRINCIPAL ARTERIAL
2  6 19.9 52.0 46.0 12.0 59.0
.648.173.081.028.002.002.066.000    6 PM  4 CBD      MINOR ARTERIAL
2  6 17.5 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  4 CBD      COLLECTOR
2  6 11.4 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  4 CBD      LOCAL
2  6 37.1 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  4 FRINGE   FREEWAY
2  6 33.9 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  4 FRINGE   MAJOR REGIONAL
2  6 27.0 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   PRINCIPAL ARTERIAL
2  6 23.2 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   MINOR ARTERIAL
2  6 22.5 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   COLLECTOR
2  6 29.3 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   RAMP
2  6 13.1 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   LOCAL
2  6 41.2 52.0  8.0  7.0 12.0
.618.207.097.022.002.002.052.000    6 PM  4 URBAN    FREEWAY
2  6 31.5 52.0 15.0 14.0 23.0
.587.241.113.016.002.003.038.000    6 PM  4 URBAN    MAJOR REGIONAL
2  6 29.8 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  4 URBAN    PRINCIPAL ARTERIAL
2  6 28.6 52.0 39.0 37.0 60.0
.648.207.097.013.002.002.031.000    6 PM  4 URBAN    MINOR ARTERIAL
2  6 23.9 52.0 24.0 24.0 38.0
.698.180.084.010.002.002.024.000    6 PM  4 URBAN    COLLECTOR
2  6 31.4 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  4 URBAN    RAMP
2  6 16.3 52.0 19.0 19.0 31.0
.698.180.084.010.002.002.024.000    6 PM  4 URBAN    LOCAL
2  6 49.1 52.0 13.0 10.0 19.0
.577.232.109.023.002.002.055.000    6 PM  4 SUBURBAN FREEWAY
2  6 38.0 52.0 14.0 23.0 22.0
.478.281.132.031.002.003.073.000    6 PM  4 SUBURBAN MAJOR REGIONAL
2  6 36.0 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  4 SUBURBAN PRINCIPAL ARTERIAL
2  6 35.6 52.0 25.0 24.0 37.0
.599.229.107.018.002.002.043.000    6 PM  4 SUBURBAN MINOR ARTERIAL
2  6 28.9 52.0 28.0 26.0 43.0
.648.207.097.013.002.002.031.000    6 PM  4 SUBURBAN COLLECTOR
2  6 32.8 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  4 SUBURBAN RAMP
2  6 19.8 52.0 19.0 18.0 29.0
.648.207.097.013.002.002.031.000    6 PM  4 SUBURBAN LOCAL
2  6 60.7 52.0 16.0  9.0 23.0
.418.241.113.066.001.003.158.000    6 PM  4 RURAL    FREEWAY
2  6 48.4 52.0  3.0  2.0  5.0
.498.261.122.034.002.003.080.000    6 PM  4 RURAL    MAJOR REGIONAL
2  6 45.2 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    PRINCIPAL ARTERIAL
2  6 42.6 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    MINOR ARTERIAL
2  6 33.8 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    COLLECTOR
2  6 38.3 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    RAMP
2  6 21.7 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    LOCAL
2  6 16.9 52.0 46.0 12.0 59.0
.648.173.081.028.002.002.066.000    6 PM  5 CBD      PRINCIPAL ARTERIAL
2  6 14.4 52.0 46.0 12.0 59.0
.648.173.081.028.002.002.066.000    6 PM  5 CBD      MINOR ARTERIAL
2  6 15.3 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  5 CBD      COLLECTOR
2  6 11.4 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  5 CBD      LOCAL
2  6 27.7 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  5 FRINGE   FREEWAY
2  6 25.0 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  5 FRINGE   MAJOR REGIONAL
2  6 18.7 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   PRINCIPAL ARTERIAL
2  6 16.6 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   MINOR ARTERIAL
2  6 18.4 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   COLLECTOR
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2  6 24.0 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   RAMP
2  6 13.1 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   LOCAL
2  6 29.5 52.0  8.0  7.0 12.0
.618.207.097.022.002.002.052.000    6 PM  5 URBAN    FREEWAY
2  6 26.3 52.0 15.0 14.0 23.0
.587.241.113.016.002.003.038.000    6 PM  5 URBAN    MAJOR REGIONAL
2  6 22.4 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  5 URBAN    PRINCIPAL ARTERIAL
2  6 21.0 52.0 39.0 37.0 60.0
.648.207.097.013.002.002.031.000    6 PM  5 URBAN    MINOR ARTERIAL
2  6 21.0 52.0 24.0 24.0 38.0
.698.180.084.010.002.002.024.000    6 PM  5 URBAN    COLLECTOR
2  6 27.4 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  5 URBAN    RAMP
2  6 16.3 52.0 19.0 19.0 31.0
.698.180.084.010.002.002.024.000    6 PM  5 URBAN    LOCAL
2  6 39.3 52.0 13.0 10.0 19.0
.577.232.109.023.002.002.055.000    6 PM  5 SUBURBAN FREEWAY
2  6 32.5 52.0 14.0 23.0 22.0
.478.281.132.031.002.003.073.000    6 PM  5 SUBURBAN MAJOR REGIONAL
2  6 28.2 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  5 SUBURBAN PRINCIPAL ARTERIAL
2  6 28.5 52.0 25.0 24.0 37.0
.599.229.107.018.002.002.043.000    6 PM  5 SUBURBAN MINOR ARTERIAL
2  6 25.3 52.0 28.0 26.0 43.0
.648.207.097.013.002.002.031.000    6 PM  5 SUBURBAN COLLECTOR
2  6 29.8 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  5 SUBURBAN RAMP
2  6 19.8 52.0 19.0 18.0 29.0
.648.207.097.013.002.002.031.000    6 PM  5 SUBURBAN LOCAL
2  6 55.1 52.0 16.0  9.0 23.0
.418.241.113.066.001.003.158.000    6 PM  5 RURAL    FREEWAY
2  6 44.1 52.0  3.0  2.0  5.0
.498.261.122.034.002.003.080.000    6 PM  5 RURAL    MAJOR REGIONAL
2  6 41.0 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    PRINCIPAL ARTERIAL
2  6 40.2 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    MINOR ARTERIAL
2  6 31.7 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    COLLECTOR
2  6 36.5 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    RAMP
2  6 21.7 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    LOCAL
2  6 12.4 52.0 46.0 12.0 59.0
.648.173.081.028.002.002.066.000    6 PM  6 CBD      PRINCIPAL ARTERIAL
2  6 10.8 52.0 46.0 12.0 59.0
.648.173.081.028.002.002.066.000    6 PM  6 CBD      MINOR ARTERIAL
2  6 12.9 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  6 CBD      COLLECTOR
2  6 11.4 52.0 45.0  8.0 56.0
.648.173.081.028.002.002.066.000    6 PM  6 CBD      LOCAL
2  6 21.8 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  6 FRINGE   FREEWAY
2  6 20.1 52.0  8.0  7.0 12.0
.547.241.113.028.002.003.066.000    6 PM  6 FRINGE   MAJOR REGIONAL
2  6 14.3 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   PRINCIPAL ARTERIAL
2  6 12.1 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   MINOR ARTERIAL
2  6 15.1 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   COLLECTOR
2  6 20.4 52.0 30.0 19.0 43.0
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   RAMP
2  6 13.1 52.0 34.0 14.0 46.0
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   LOCAL
2  6 22.6 52.0  8.0  7.0 12.0
.618.207.097.022.002.002.052.000    6 PM  6 URBAN    FREEWAY
2  6 20.6 52.0 15.0 14.0 23.0
.587.241.113.016.002.003.038.000    6 PM  6 URBAN    MAJOR REGIONAL
2  6 17.3 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  6 URBAN    PRINCIPAL ARTERIAL
2  6 16.6 52.0 39.0 37.0 60.0
.648.207.097.013.002.002.031.000    6 PM  6 URBAN    MINOR ARTERIAL
2  6 17.8 52.0 24.0 24.0 38.0
.698.180.084.010.002.002.024.000    6 PM  6 URBAN    COLLECTOR
2  6 24.4 52.0 19.0 17.0 30.0
.624.207.097.020.002.002.048.000    6 PM  6 URBAN    RAMP
2  6 16.3 52.0 19.0 19.0 31.0
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.698.180.084.010.002.002.024.000    6 PM  6 URBAN    LOCAL
2  6 32.6 52.0 13.0 10.0 19.0
.577.232.109.023.002.002.055.000    6 PM  6 SUBURBAN FREEWAY
2  6 28.3 52.0 14.0 23.0 22.0
.478.281.132.031.002.003.073.000    6 PM  6 SUBURBAN MAJOR REGIONAL
2  6 22.7 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  6 SUBURBAN PRINCIPAL ARTERIAL
2  6 23.2 52.0 25.0 24.0 37.0
.599.229.107.018.002.002.043.000    6 PM  6 SUBURBAN MINOR ARTERIAL
2  6 22.5 52.0 28.0 26.0 43.0
.648.207.097.013.002.002.031.000    6 PM  6 SUBURBAN COLLECTOR
2  6 27.6 52.0 12.0 11.0 18.0
.558.254.119.019.002.003.045.000    6 PM  6 SUBURBAN RAMP
2  6 19.8 52.0 19.0 18.0 29.0
.648.207.097.013.002.002.031.000    6 PM  6 SUBURBAN LOCAL
2  6 50.1 52.0 16.0  9.0 23.0
.418.241.113.066.001.003.158.000    6 PM  6 RURAL    FREEWAY
2  6 40.1 52.0  3.0  2.0  5.0
.498.261.122.034.002.003.080.000    6 PM  6 RURAL    MAJOR REGIONAL
2  6 37.2 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    PRINCIPAL ARTERIAL
2  6 37.0 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    MINOR ARTERIAL
2  6 30.0 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    COLLECTOR
2  6 35.2 52.0 16.0 13.0 24.0
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    RAMP
2  6 21.7 52.0 23.0 13.0 34.0
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    LOCAL
2  6 27.0 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      PRINCIPAL ARTERIAL
2  6 25.1 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      MINOR ARTERIAL
2  6 20.0 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      COLLECTOR
2  6 11.3 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      LOCAL
2  6 55.0 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 7 FRINGE   FREEWAY
2  6 39.8 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 7 FRINGE   MAJOR REGIONAL
2  6 35.0 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   PRINCIPAL ARTERIAL
2  6 30.0 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   MINOR ARTERIAL
2  6 25.0 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   COLLECTOR
2  6 38.9 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   RAMP
2  6 13.1 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   LOCAL
2  6 58.0 36.0 14.0 14.0 23.0
.618.200.094.025.002.002.059.000    6 OFF 7 URBAN    FREEWAY
2  6 45.0 36.0 14.0 14.0 24.0
.547.248.116.025.002.003.059.000    6 OFF 7 URBAN    MAJOR REGIONAL
2  6 37.0 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 7 URBAN    PRINCIPAL ARTERIAL
2  6 35.0 36.0 33.0 33.0 54.0
.658.180.084.022.002.002.052.000    6 OFF 7 URBAN    MINOR ARTERIAL
2  6 25.0 36.0 26.0 28.0 43.0
.658.207.097.010.002.002.024.000    6 OFF 7 URBAN    COLLECTOR
2  6 39.1 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 7 URBAN    RAMP
2  6 16.3 36.0 18.0 20.0 20.0
.658.207.097.010.002.002.024.000    6 OFF 7 URBAN    LOCAL
2  6 58.0 36.0 13.0 11.0 21.0
.549.233.109.031.002.003.073.000    6 OFF 7 SUBURBAN FREEWAY
2  6 45.0 36.0 15.0 15.0 25.0
.477.275.129.034.002.003.080.000    6 OFF 7 SUBURBAN MAJOR REGIONAL
2  6 45.0 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 7 SUBURBAN PRINCIPAL ARTERIAL
2  6 39.8 36.0 32.0 30.0 52.0
.609.212.099.022.002.002.054.000    6 OFF 7 SUBURBAN MINOR ARTERIAL
2  6 30.0 36.0 23.0 22.0 37.0
.568.268.125.010.002.003.024.000    6 OFF 7 SUBURBAN COLLECTOR
2  6 39.0 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 7 SUBURBAN RAMP
2  6 19.7 36.0 19.0 19.0 32.0
.568.268.125.010.002.003.024.000    6 OFF 7 SUBURBAN LOCAL
2  6 63.0 36.0 15.0  9.0 25.0
.440.220.103.069.001.002.165.000    6 OFF 7 RURAL    FREEWAY
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2  6 49.0 36.0  4.0  2.0  6.0
.487.241.113.045.002.003.109.000    6 OFF 7 RURAL    MAJOR REGIONAL
2  6 47.9 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    PRINCIPAL ARTERIAL
2  6 44.0 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    MINOR ARTERIAL
2  6 35.0 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    COLLECTOR
2  6 39.6 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    RAMP
2  6 21.1 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    LOCAL
2  6 26.7 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      PRINCIPAL ARTERIAL
2  6 24.5 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      MINOR ARTERIAL
2  6 19.6 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      COLLECTOR
2  6 11.3 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      LOCAL
2  6 52.2 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 8 FRINGE   FREEWAY
2  6 38.4 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 8 FRINGE   MAJOR REGIONAL
2  6 33.9 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   PRINCIPAL ARTERIAL
2  6 29.1 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   MINOR ARTERIAL
2  6 24.8 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   COLLECTOR
2  6 35.8 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   RAMP
2  6 13.1 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   LOCAL
2  6 55.2 36.0 14.0 14.0 23.0
.618.200.094.025.002.002.059.000    6 OFF 8 URBAN    FREEWAY
2  6 39.9 36.0 14.0 14.0 24.0
.547.248.116.025.002.003.059.000    6 OFF 8 URBAN    MAJOR REGIONAL
2  6 36.2 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 8 URBAN    PRINCIPAL ARTERIAL
2  6 34.4 36.0 33.0 33.0 54.0
.658.180.084.022.002.002.052.000    6 OFF 8 URBAN    MINOR ARTERIAL
2  6 24.8 36.0 26.0 28.0 43.0
.658.207.097.010.002.002.024.000    6 OFF 8 URBAN    COLLECTOR
2  6 36.7 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 8 URBAN    RAMP
2  6 16.3 36.0 18.0 20.0 20.0
.658.207.097.010.002.002.024.000    6 OFF 8 URBAN    LOCAL
2  6 57.2 36.0 13.0 11.0 21.0
.549.233.109.031.002.003.073.000    6 OFF 8 SUBURBAN FREEWAY
2  6 44.3 36.0 15.0 15.0 25.0
.477.275.129.034.002.003.080.000    6 OFF 8 SUBURBAN MAJOR REGIONAL
2  6 43.5 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 8 SUBURBAN PRINCIPAL ARTERIAL
2  6 39.2 36.0 32.0 30.0 52.0
.609.212.099.022.002.002.054.000    6 OFF 8 SUBURBAN MINOR ARTERIAL
2  6 29.9 36.0 23.0 22.0 37.0
.568.268.125.010.002.003.024.000    6 OFF 8 SUBURBAN COLLECTOR
2  6 37.1 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 8 SUBURBAN RAMP
2  6 19.7 36.0 19.0 19.0 32.0
.568.268.125.010.002.003.024.000    6 OFF 8 SUBURBAN LOCAL
2  6 62.9 36.0 15.0  9.0 25.0
.440.220.103.069.001.002.165.000    6 OFF 8 RURAL    FREEWAY
2  6 49.0 36.0  4.0  2.0  6.0
.487.241.113.045.002.003.109.000    6 OFF 8 RURAL    MAJOR REGIONAL
2  6 47.5 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    PRINCIPAL ARTERIAL
2  6 43.9 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    MINOR ARTERIAL
2  6 34.9 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    COLLECTOR
2  6 39.4 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    RAMP
2  6 21.0 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    LOCAL
2  6 26.0 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      PRINCIPAL ARTERIAL
2  6 23.5 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      MINOR ARTERIAL
2  6 19.0 36.0 16.0 12.0 35.0
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.589.213.100.028.002.002.066.000    6 OFF 9 CBD      COLLECTOR
2  6 11.3 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      LOCAL
2  6 47.5 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 9 FRINGE   FREEWAY
2  6 37.2 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF 9 FRINGE   MAJOR REGIONAL
2  6 32.2 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   PRINCIPAL ARTERIAL
2  6 27.9 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   MINOR ARTERIAL
2  6 24.3 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   COLLECTOR
2  6 34.1 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   RAMP
2  6 13.1 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   LOCAL
2  6 50.5 36.0 14.0 14.0 23.0
.618.200.094.025.002.002.059.000    6 OFF 9 URBAN    FREEWAY
2  6 38.2 36.0 14.0 14.0 24.0
.547.248.116.025.002.003.059.000    6 OFF 9 URBAN    MAJOR REGIONAL
2  6 34.7 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 9 URBAN    PRINCIPAL ARTERIAL
2  6 33.1 36.0 33.0 33.0 54.0
.658.180.084.022.002.002.052.000    6 OFF 9 URBAN    MINOR ARTERIAL
2  6 24.7 36.0 26.0 28.0 43.0
.658.207.097.010.002.002.024.000    6 OFF 9 URBAN    COLLECTOR
2  6 35.1 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF 9 URBAN    RAMP
2  6 16.3 36.0 18.0 20.0 20.0
.658.207.097.010.002.002.024.000    6 OFF 9 URBAN    LOCAL
2  6 55.1 36.0 13.0 11.0 21.0
.549.233.109.031.002.003.073.000    6 OFF 9 SUBURBAN FREEWAY
2  6 43.2 36.0 15.0 15.0 25.0
.477.275.129.034.002.003.080.000    6 OFF 9 SUBURBAN MAJOR REGIONAL
2  6 41.3 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 9 SUBURBAN PRINCIPAL ARTERIAL
2  6 38.7 36.0 32.0 30.0 52.0
.609.212.099.022.002.002.054.000    6 OFF 9 SUBURBAN MINOR ARTERIAL
2  6 29.8 36.0 23.0 22.0 37.0
.568.268.125.010.002.003.024.000    6 OFF 9 SUBURBAN COLLECTOR
2  6 35.6 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF 9 SUBURBAN RAMP
2  6 19.8 36.0 19.0 19.0 32.0
.568.268.125.010.002.003.024.000    6 OFF 9 SUBURBAN LOCAL
2  6 62.5 36.0 15.0  9.0 25.0
.440.220.103.069.001.002.165.000    6 OFF 9 RURAL    FREEWAY
2  6 49.0 36.0  4.0  2.0  6.0
.487.241.113.045.002.003.109.000    6 OFF 9 RURAL    MAJOR REGIONAL
2  6 47.1 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    PRINCIPAL ARTERIAL
2  6 43.7 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    MINOR ARTERIAL
2  6 34.7 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    COLLECTOR
2  6 39.2 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    RAMP
2  6 21.0 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    LOCAL
2  6 25.2 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF10 CBD      PRINCIPAL ARTERIAL
2  6 22.3 36.0 21.0 17.0 43.0
.589.213.100.028.002.002.066.000    6 OFF10 CBD      MINOR ARTERIAL
2  6 18.4 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF10 CBD      COLLECTOR
2  6 11.3 36.0 16.0 12.0 35.0
.589.213.100.028.002.002.066.000    6 OFF10 CBD      LOCAL
2  6 42.9 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF10 FRINGE   FREEWAY
2  6 34.3 36.0  9.0 10.0 16.0
.517.241.113.037.002.003.087.000    6 OFF10 FRINGE   MAJOR REGIONAL
2  6 29.5 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   PRINCIPAL ARTERIAL
2  6 25.7 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   MINOR ARTERIAL
2  6 23.6 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   COLLECTOR
2  6 32.6 36.0 22.0 25.0 39.0
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   RAMP
2  6 13.1 36.0 15.0 19.0 29.0
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   LOCAL
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2  6 45.6 36.0 14.0 14.0 23.0
.618.200.094.025.002.002.059.000    6 OFF10 URBAN    FREEWAY
2  6 36.4 36.0 14.0 14.0 24.0
.547.248.116.025.002.003.059.000    6 OFF10 URBAN    MAJOR REGIONAL
2  6 32.6 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF10 URBAN    PRINCIPAL ARTERIAL
2  6 31.3 36.0 33.0 33.0 54.0
.658.180.084.022.002.002.052.000    6 OFF10 URBAN    MINOR ARTERIAL
2  6 24.5 36.0 26.0 28.0 43.0
.658.207.097.010.002.002.024.000    6 OFF10 URBAN    COLLECTOR
2  6 33.7 36.0 20.0 21.0 34.0
.630.210.098.017.002.002.041.000    6 OFF10 URBAN    RAMP
2  6 16.3 36.0 18.0 20.0 20.0
.658.207.097.010.002.002.024.000    6 OFF10 URBAN    LOCAL
2  6 52.2 36.0 13.0 11.0 21.0
.549.233.109.031.002.003.073.000    6 OFF10 SUBURBAN FREEWAY
2  6 41.4 36.0 15.0 15.0 25.0
.477.275.129.034.002.003.080.000    6 OFF10 SUBURBAN MAJOR REGIONAL
2  6 38.9 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF10 SUBURBAN PRINCIPAL ARTERIAL
2  6 37.3 36.0 32.0 30.0 52.0
.609.212.099.022.002.002.054.000    6 OFF10 SUBURBAN MINOR ARTERIAL
2  6 29.6 36.0 23.0 22.0 37.0
.568.268.125.010.002.003.024.000    6 OFF10 SUBURBAN COLLECTOR
2  6 34.2 36.0 22.0 21.0 36.0
.608.207.097.025.002.002.059.000    6 OFF10 SUBURBAN RAMP
2  6 19.8 36.0 19.0 19.0 32.0
.568.268.125.010.002.003.024.000    6 OFF10 SUBURBAN LOCAL
2  6 61.2 36.0 15.0  9.0 25.0
.440.220.103.069.001.002.165.000    6 OFF10 RURAL    FREEWAY
2  6 48.9 36.0  4.0  2.0  6.0
.487.241.113.045.002.003.109.000    6 OFF10 RURAL    MAJOR REGIONAL
2  6 46.5 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    PRINCIPAL ARTERIAL
2  6 43.4 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    MINOR ARTERIAL
2  6 34.5 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    COLLECTOR
2  6 39.0 36.0 18.0 12.0 29.0
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    RAMP
2  6 21.0 36.0 23.0 13.0 48.0
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    LOCAL
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12006 CO Redesignation; small stuff plus; SIP cp;  mechanics training
 MOBILE5b (14-Sep-96)
0
-M 22 Warning:
+               0.346E-01 mileage with zero registration
-M 22 Warning:
+               0.626E-01 mileage with zero registration
-M 22 Warning:
+               0.373E-01 mileage with zero registration
-M 22 Warning:
+               0.222E-01 mileage with zero registration
0R                           P
 e    Amb.                   o                      Composite Emission Factors                                          Vehicle Mix
 g CY Tmp   Cold/Hot Start   l  LDGV   LDGT1  LDGT2  LDGT   HDGV   LDDV   LDDT   HDDV    MC   AllVeh LDGV LDGT1LDGT2HDGV LDDV LDDT HDDV  MC
 - -- ---- ---------------- - -------------------------------------------------------------------------- ---------------------------------------
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  15.64  21.13  23.48  21.88  38.21   1.15   2.08  16.40   0.00  18.17 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  17.93  23.93  26.57  24.77  44.42   1.32   2.40  18.94   0.00  20.76 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  17.31  22.58  25.36  23.47  48.79   1.37   2.50  20.70   0.00  20.21 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  21.82  28.11  31.64  29.23  71.34   1.96   3.56  29.48   0.00  25.83 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2   7.45  10.74  12.14  11.19  22.96   0.63   1.13   9.71   0.00   9.27 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2   9.46  13.21  14.89  13.75  26.55   0.74   1.33  11.41   0.00  11.47 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  16.35  23.36  25.39  24.01  32.71   1.18   2.13  14.10   0.00  18.35 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  18.81  26.53  28.79  27.25  37.08   1.33   2.40  15.93   0.00  20.99 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2  16.83  23.02  25.43  23.79  39.00   1.19   2.15  16.73   0.00  19.00 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  12.70  18.66  20.34  19.19  26.63   0.96   1.73  11.45   0.00  14.45 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   1.0  23.0 2  23.09  30.98  34.24  32.02  63.22   1.88   3.39  26.37   0.00  26.47 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2   7.29  11.04  12.31  11.45  21.75   0.64   1.16   9.04   0.00   8.84 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   24.0   2.0  24.0 2   9.85  14.34  15.89  14.83  24.80   0.77   1.39  10.61   0.00  11.87 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  13.35  19.43  21.20  19.99  27.98   0.99   1.79  12.05   0.00  15.41 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   81.0   7.0  83.0 2  23.57  34.66  36.66  35.30  29.66   1.52   2.73  12.79   0.00  26.06 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   69.0   7.0  71.0 2  24.95  35.87  38.12  36.59  35.17   1.62   2.91  15.13   0.00  27.65 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  11.79  17.42  19.04  17.94  25.55   0.90   1.62  10.95   0.00  13.72 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   44.0   4.0  46.0 2  24.96  34.61  37.43  35.51  51.24   1.86   3.35  21.67   0.00  28.10 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   28.0   2.0  28.0 2   6.37  10.08  11.21  10.44  21.33   0.64   1.15   8.57   0.00   8.23 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   19.0   2.0  19.0 2   8.15  12.01  13.40  12.45  22.88   0.68   1.22   9.67   0.00  10.32 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   3.0  39.0 2  10.64  15.91  17.42  16.39  24.08   0.84   1.50  10.26   0.00  12.82 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   77.0   8.0  77.0 2  17.41  26.31  28.00  26.85  24.86   1.21   2.18  10.64   0.00  19.85 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   73.0   7.0  73.0 2  20.54  30.21  32.15  30.83  29.22   1.37   2.47  12.59   0.00  23.82 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  27   39.0   3.0  39.0 2  12.29  18.03  19.70  18.56  26.47   0.93   1.67  11.37   0.00  14.62 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   52.0   5.0  52.0 2  24.03  33.72  36.27  34.53  41.78   1.62   2.92  17.87   0.00  27.50 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   36.0   1.0  35.0 2   8.59  13.75  15.34  14.26  26.81   0.74   1.33   9.44   0.00  12.09 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   0.0   8.0 2   5.44   8.29   9.40   8.64  21.31   0.55   0.99   8.60   0.00   7.67 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   6.25   9.44  10.64   9.82  21.42   0.59   1.06   8.80   0.00   7.98 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   6.43   9.67  10.88  10.05  21.52   0.59   1.07   8.88   0.00   8.17 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  14.01  20.99  22.64  21.52  25.55   1.02   1.83  10.95   0.00  16.67 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   8.22  11.88  13.33  12.34  23.60   0.67   1.21  10.03   0.00  10.10 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  22.25  31.72  34.04  32.46  37.45   1.50   2.69  16.09   0.00  25.72 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  19.25  25.58  28.42  26.48  51.24   1.51   2.75  21.67   0.00  22.43 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  20.52  27.17  30.22  28.14  57.51   1.69   3.06  24.15   0.00  24.02 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  18.44  23.96  26.93  24.91  54.94   1.53   2.80  23.14   0.00  21.64 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  21.82  28.11  31.64  29.23  71.34   1.96   3.56  29.48   0.00  25.83 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2  10.61  14.63  16.47  15.22  29.00   0.81   1.45  12.50   0.00  12.76 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2  13.36  18.00  20.23  18.71  35.33   0.98   1.77  15.20   0.00  15.84 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  22.05  30.64  33.22  31.46  43.43   1.55   2.79  18.54   0.00  24.48 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  23.19  32.13  34.85  33.00  48.21   1.71   3.09  20.46   0.00  25.87 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2  19.29  26.08  28.79  26.94  46.52   1.41   2.54  19.79   0.00  21.80 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  15.20  21.88  23.80  22.49  30.73   1.11   2.00  13.25   0.00  17.12 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   1.0  23.0 2  23.09  30.98  34.24  32.02  63.22   1.88   3.39  26.37   0.00  26.47 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2   9.91  14.33  15.91  14.84  25.19   0.77   1.39  10.79   0.00  11.63 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   24.0   2.0  24.0 2  12.16  17.25  19.07  17.83  28.90   0.90   1.63  12.45   0.00  14.42 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  17.48  24.73  26.90  25.42  35.17   1.25   2.24  15.13   0.00  19.89 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   81.0   7.0  83.0 2  30.41  43.62  46.00  44.38  37.08   1.89   3.40  15.93   0.00  33.29 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   69.0   7.0  71.0 2  28.77  40.85  43.36  41.65  40.03   1.83   3.30  17.15   0.00  31.71 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  13.53  19.66  21.45  20.23  28.28   1.00   1.81  12.18   0.00  15.61 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   44.0   4.0  46.0 2  24.96  34.61  37.43  35.51  51.24   1.86   3.35  21.67   0.00  28.10 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   28.0   2.0  28.0 2   8.12  12.29  13.62  12.71  22.12   0.69   1.25   9.26   0.00  10.06 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   19.0   2.0  19.0 2  10.25  14.63  16.28  15.16  26.23   0.79   1.42  11.26   0.00  12.62 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   3.0  39.0 2  13.97  20.18  22.02  20.77  29.22   1.03   1.84  12.59   0.00  16.47 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   77.0   8.0  77.0 2  21.98  32.28  34.25  32.91  29.55   1.45   2.61  12.74   0.00  24.70 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  27   73.0   7.0  73.0 2  24.06  34.81  36.98  35.50  33.44   1.57   2.82  14.41   0.00  27.68 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   3.0  39.0 2  13.78  19.94  21.76  20.52  28.90   1.01   1.82  12.45   0.00  16.26 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   52.0   5.0  52.0 2  24.03  33.72  36.27  34.53  41.78   1.62   2.92  17.87   0.00  27.50 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   36.0   1.0  35.0 2   6.24  10.15  11.23  10.49  23.27   0.69   1.23   8.72   0.00   9.52 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   0.0   8.0 2   6.51   9.60  10.86  10.00  21.82   0.58   1.05   9.08   0.00   8.73 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   7.17  10.58  11.89  11.00  22.18   0.62   1.12   9.30   0.00   8.96 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   7.17  10.58  11.89  11.00  22.18   0.62   1.12   9.30   0.00   8.96 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  15.25  22.60  24.36  23.16  27.15   1.09   1.95  11.68   0.00  18.02 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   9.59  13.58  15.22  14.10  25.99   0.74   1.34  11.16   0.00  11.61 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  22.25  31.72  34.04  32.46  37.45   1.50   2.69  16.09   0.00  25.72 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  23.16  30.48  33.93  31.58  69.30   2.01   3.64  28.70   0.00  27.26 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   16.0   8.0  16.0 2  23.79  31.26  34.81  32.39  71.86   2.07   3.76  29.68   0.00  28.02 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  20.25  26.18  29.45  27.22  64.11   1.77   3.23  26.71   0.00  23.90 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    7.0  11.0   7.0 2  21.82  28.11  31.64  29.23  71.34   1.96   3.56  29.48   0.00  25.83 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2  14.90  19.90  22.34  20.67  39.00   1.08   1.95  16.73   0.00  17.58 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   1.0   8.0 2  17.12  22.59  25.36  23.47  46.80   1.28   2.31  19.90   0.00  20.22 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  25.92  35.71  38.79  36.69  59.06   2.07   3.73  24.75   0.00  29.17 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  27.30  37.51  40.77  38.55  64.11   2.23   4.03  26.71   0.00  30.81 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2  21.60  29.01  32.07  29.98  57.51   1.72   3.10  24.15   0.00  24.68 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   41.0   5.0  42.0 2  18.91  26.66  28.93  27.38  37.27   1.34   2.41  16.01   0.00  21.10 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   1.0  23.0 2  23.09  30.98  34.24  32.02  63.22   1.88   3.39  26.37   0.00  26.47 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   22.0   2.0  22.0 2  13.30  18.59  20.58  19.23  31.62   0.97   1.75  13.63   0.00  15.32 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   24.0   2.0  24.0 2  16.05  22.14  24.42  22.87  36.72   1.15   2.06  15.78   0.00  18.73 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  22.26  30.83  33.48  31.68  45.72   1.60   2.89  19.46   0.00  25.17 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   81.0   7.0  83.0 2  37.48  52.83  55.69  53.74  48.21   2.43   4.36  20.46   0.00  40.87 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   69.0   7.0  71.0 2  32.51  45.70  48.51  46.60  47.92   2.18   3.92  20.35   0.00  35.82 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   4.0  40.0 2  15.87  22.67  24.68  23.31  32.29   1.15   2.06  13.92   0.00  18.15 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   44.0   4.0  46.0 2  24.96  34.61  37.43  35.51  51.24   1.86   3.35  21.67   0.00  28.10 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   28.0   2.0  28.0 2  10.66  15.52  17.13  16.03  25.55   0.82   1.47  10.95   0.00  12.83 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   19.0   2.0  19.0 2  12.42  17.35  19.27  17.97  30.48   0.92   1.65  13.14   0.00  15.06 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   3.0  39.0 2  18.67  26.22  28.53  26.95  37.64   1.32   2.37  16.16   0.00  21.68 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  27   77.0   8.0  77.0 2  29.78  42.47  44.92  43.25  38.60   1.89   3.39  16.56   0.00  33.02 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   73.0   7.0  73.0 2  28.86  41.07  43.55  41.86  39.41   1.84   3.31  16.90   0.00  32.94 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   39.0   3.0  39.0 2  15.65  22.34  24.35  22.98  32.16   1.13   2.03  13.86   0.00  18.33 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   52.0   5.0  52.0 2  24.03  33.72  36.27  34.53  41.78   1.62   2.92  17.87   0.00  27.50 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   36.0   1.0  35.0 2   6.35  10.28  11.38  10.63  21.51   0.67   1.20   8.52   0.00   9.42 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27    8.0   0.0   8.0 2   8.04  11.48  12.96  11.95  23.91   0.65   1.18  10.19   0.00  10.38 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   8.35  12.04  13.51  12.51  23.81   0.68   1.22  10.13   0.00  10.24 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2   8.35  12.04  13.51  12.51  23.81   0.68   1.22  10.13   0.00  10.24 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  16.67  24.45  26.32  25.05  29.11   1.17   2.10  12.55   0.00  19.58 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   13.0   1.0  13.0 2  12.01  16.57  18.53  17.20  30.98   0.89   1.60  13.35   0.00  14.30 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  27   57.0   2.0  57.0 2  22.25  31.72  34.04  32.46  37.45   1.50   2.69  16.09   0.00  25.72 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  16.65  22.18  24.08  22.79  33.42   1.45   2.66  15.13   0.00  18.52 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  20.00  26.24  28.43  26.94  39.50   1.70   3.12  17.78   0.00  22.09 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  20.55  26.84  29.18  27.59  45.27   1.86   3.39  20.24   0.00  22.94 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  26.23  33.86  36.91  34.83  67.80   2.71   4.94  29.48   0.00  29.71 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2   6.18   8.56   9.68   8.92  21.52   0.64   1.16   9.55   0.00   7.77 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2   6.99   9.52  10.74   9.91  22.94   0.69   1.26  10.29   0.00   8.66 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  12.22  16.37  17.97  16.88  28.41   1.12   2.07  12.89   0.00  13.94 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  14.74  19.38  21.24  19.97  33.42   1.31   2.43  15.13   0.00  16.66 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  15.38  20.27  22.17  20.87  34.56   1.36   2.50  15.63   0.00  17.37 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  11.01  14.93  16.41  15.40  26.15   1.03   1.90  11.84   0.00  12.64 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  22.59  28.98  31.74  29.86  60.09   2.30   4.22  26.37   0.00  25.73 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2   5.32   7.55   8.55   7.87  20.50   0.60   1.09   8.92   0.00   6.60 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   15.0  14.0  23.0 2   8.34  11.32  12.65  11.74  24.42   0.81   1.49  11.02   0.00   9.87 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2   9.39  12.71  14.12  13.16  25.72   0.91   1.67  11.64   0.00  10.94 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   39.0  37.0  60.0 2  15.04  20.11  21.76  20.64  26.78   1.32   2.50  12.14   0.00  16.75 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   24.0  24.0  38.0 2  13.87  18.17  19.97  18.74  32.36   1.25   2.33  14.66   0.00  15.31 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2   8.77  11.97  13.31  12.40  24.49   0.86   1.59  11.05   0.00  10.27 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  19.0  31.0 2  17.70  22.52  24.88  23.27  48.70   1.71   3.17  21.67   0.00  19.51 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   13.0  10.0  19.0 2   4.42   6.61   7.48   6.89  20.72   0.60   1.10   8.51   0.00   5.84 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   14.0  23.0  22.0 2   6.47   9.05  10.15   9.40  21.23   0.71   1.32   9.38   0.00   8.32 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  52   12.0  11.0  18.0 2   6.71   9.30  10.45   9.67  21.94   0.69    1.26   9.78    0.00   8.21 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   25.0  24.0  37.0 2   8.21  11.44  12.66  11.83  22.11   0.84    1.56   9.87    0.00   9.72 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   28.0  26.0  43.0 2  11.63  15.64  17.17  16.13  26.51   1.07    2.01  12.01    0.00  13.16 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   12.0  11.0  18.0 2   7.62  10.36  11.63  10.77  23.57   0.75    1.37  10.61    0.00   9.20 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  18.0  29.0 2  15.47  19.88  21.98  20.55  39.71   1.39    2.57  17.87    0.00  17.35 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0   9.0  23.0 2   6.94  10.24  11.66  10.69  26.98   0.70    1.29   9.78    0.00  10.02 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    3.0   2.0   5.0 2   3.99   5.89   6.73   6.16  20.58   0.53    0.97   8.51    0.00   5.73 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   5.03   7.43   8.36   7.72  20.26   0.64    1.17   8.59    0.00   6.26 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   5.50   7.98   8.97   8.30  20.33   0.65    1.19   8.77    0.00   6.75 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2   8.12  11.30  12.54  11.69  22.99   0.81    1.50  10.32    0.00   9.57 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   6.42   9.07  10.17   9.42  21.14   0.69    1.27   9.33    0.00   7.71 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2  14.23  18.59  20.51  19.20  35.95   1.28    2.36  16.24    0.00  16.21 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  22.03  28.68  31.09  29.45  46.94   2.00    3.67  20.94    0.00  24.46 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  24.04  31.15  33.82  32.00  55.02   2.33    4.26  24.29    0.00  26.86 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  22.08  28.73  31.25  29.53  51.88   2.11    3.86  23.00    0.00  24.79 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  26.23  33.86  36.91  34.83  67.80   2.71    4.94  29.48    0.00  29.71 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2   9.12  12.00  13.51  12.48  27.67   0.84    1.53  12.55    0.00  11.01 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2  10.37  13.47  15.15  14.00  30.82   0.94    1.70  13.98    0.00  12.42 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  18.52  23.86  26.09  24.57  42.22   1.64    3.04  18.94    0.00  20.79 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  19.69  25.28  27.67  26.04  47.80   1.85    3.42  21.30    0.00  22.22 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  18.77  24.30  26.55  25.02  42.95   1.68    3.08  19.25    0.00  21.10 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  14.14  18.67  20.46  19.24  32.21   1.27    2.35  14.60    0.00  16.01 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  22.59  28.98  31.74  29.86  60.09   2.30    4.22  26.37    0.00  25.73 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2   8.41  11.17  12.59  11.62  25.97   0.79    1.43  11.76    0.00   9.92 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   15.0  14.0  23.0 2  10.52  13.89  15.48  14.39  29.20   0.98    1.80  13.25    0.00  12.25 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2  13.42  17.48  19.35  18.08  34.73   1.22    2.26  15.71    0.00  15.33 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   39.0  37.0  60.0 2  22.02  28.33  30.55  29.04  37.26   1.83    3.46  16.81    0.00  24.11 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   24.0  24.0  38.0 2  16.22  20.94  22.98  21.59  37.26   1.43    2.67  16.81    0.00  17.80 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2  10.46  13.98  15.50  14.46  27.98   0.99    1.82  12.69    0.00  12.10 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  19.0  31.0 2  17.70  22.52  24.88  23.27  48.70   1.71    3.17  21.67    0.00  19.51 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   13.0  10.0  19.0 2   5.97   8.44   9.50   8.78  20.87   0.65    1.18   9.17    0.00   7.42 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  52   14.0  23.0  22.0 2   8.02  10.87  12.15  11.28  23.75   0.81   1.50  10.70   0.00  10.01 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   12.0  11.0  18.0 2   9.29  12.32  13.80  12.79  27.17   0.87   1.59  12.32   0.00  11.03 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   25.0  24.0  37.0 2  11.02  14.77  16.28  15.25  26.88   1.03   1.93  12.18   0.00  12.74 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   28.0  26.0  43.0 2  13.76  18.16  19.90  18.72  30.43   1.23   2.31  13.80   0.00  15.43 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   12.0  11.0  18.0 2   8.65  11.57  12.97  12.02  25.72   0.82   1.50  11.64   0.00  10.33 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  18.0  29.0 2  15.47  19.88  21.98  20.55  39.71   1.39   2.57  17.87   0.00  17.35 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0   9.0  23.0 2   4.56   6.87   7.75   7.15  22.89   0.64   1.17   8.87   0.00   7.35 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    3.0   2.0   5.0 2   4.55   6.54   7.47   6.84  20.25   0.54   0.98   8.65   0.00   6.27 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   5.82   8.36   9.38   8.69  20.53   0.66   1.22   8.94   0.00   7.08 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   5.99   8.56   9.60   8.89  20.67   0.67   1.23   9.04   0.00   7.26 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2   8.84  12.16  13.49  12.59  24.28   0.86   1.59  10.95   0.00  10.35 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   6.87   9.60  10.75   9.97  21.74   0.72   1.31   9.67   0.00   8.19 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2  14.23  18.59  20.51  19.20  35.95   1.28   2.36  16.24   0.00  16.21 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  26.23  33.85  36.79  34.79  63.10   2.64   4.84  27.59   0.00  29.44 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   46.0  12.0  59.0 2  28.57  36.73  39.95  37.76  70.86   2.94   5.39  30.71   0.00  32.13 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  24.34  31.52  34.33  32.42  60.93   2.46   4.48  26.71   0.00  27.49 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   45.0   8.0  56.0 2  26.23  33.86  36.91  34.83  67.80   2.71   4.94  29.48   0.00  29.71 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2  12.25  15.68  17.61  16.29  35.77   1.08   1.97  16.16   0.00  14.55 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2  13.50  17.14  19.23  17.81  39.07   1.18   2.15  17.59   0.00  15.95 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  21.37  27.31  29.93  28.15  55.39   2.12   3.93  24.45   0.00  24.25 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  23.57  29.99  32.90  30.91  64.46   2.44   4.52  28.14   0.00  26.86 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  20.83  26.83  29.35  27.63  52.55   2.03   3.73  23.28   0.00  23.62 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   30.0  19.0  43.0 2  17.20  22.31  24.42  22.98  38.45   1.50   2.78  17.33   0.00  19.32 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   34.0  14.0  46.0 2  22.59  28.98  31.74  29.86  60.09   2.30   4.22  26.37   0.00  25.73 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    8.0   7.0  12.0 2  11.73  15.07  16.93  15.66  34.39   1.04   1.90  15.56   0.00  13.58 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   15.0  14.0  23.0 2  14.17  18.19  20.23  18.84  38.05   1.26   2.33  17.15   0.00  16.26 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2  16.81  21.50  23.77  22.22  45.82   1.59   2.94  20.46   0.00  19.16 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   39.0  37.0  60.0 2  26.09  33.13  35.72  33.96  47.80   2.32   4.38  21.30   0.00  28.53 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   24.0  24.0  38.0 2  18.53  23.66  25.96  24.39  44.48   1.69   3.16  19.90   0.00  20.31 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  17.0  30.0 2  12.09  15.91  17.62  16.46  31.64   1.12   2.06  14.34   0.00  13.87 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  19.0  31.0 2  17.70  22.52  24.88  23.27  48.70   1.71   3.17  21.67   0.00  19.51 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  52   13.0  10.0  19.0 2   7.73  10.51  11.79  10.92  23.69   0.75    1.38  10.67    0.00    9.32 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   14.0  23.0  22.0 2   9.60  12.73  14.20  13.20  27.07   0.93    1.72  12.27    0.00   11.78 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   12.0  11.0  18.0 2  12.16  15.70  17.55  16.29  34.23   1.09    2.00  15.49    0.00   14.22 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   25.0  24.0  37.0 2  14.25  18.58  20.43  19.17  33.42   1.29    2.39  15.13    0.00   16.23 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   28.0  26.0  43.0 2  15.88  20.68  22.62  21.30  34.56   1.40    2.61  15.63    0.00   17.71 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   12.0  11.0  18.0 2   9.54  12.62  14.14  13.11  27.77   0.89    1.62  12.59    0.00   11.32 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   19.0  18.0  29.0 2  15.47  19.88  21.98  20.55  39.71   1.39    2.57  17.87    0.00   17.35 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0   9.0  23.0 2   4.52   6.81   7.68   7.09  20.95   0.62    1.12   8.53    0.00    7.13 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52    3.0   2.0   5.0 2   5.24   7.35   8.37   7.67  20.69   0.57    1.03   9.05    0.00    6.98 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   6.69   9.39  10.52   9.75  21.49   0.70    1.30   9.53    0.00    8.00 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   6.74   9.45  10.58   9.81  21.56   0.71    1.30   9.57    0.00    8.05 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2   9.50  12.95  14.35  13.40  25.55   0.91    1.68  11.56    0.00   11.06 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   16.0  13.0  24.0 2   7.22  10.02  11.21  10.40  22.29   0.74    1.35   9.96    0.00    8.57 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  52   23.0  13.0  34.0 2  14.23  18.59  20.51  19.20  35.95   1.28    2.36  16.24    0.00   16.21 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  13.87  19.50  21.19  20.04  28.32   1.07    2.01  12.89    0.00   16.09 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  15.19  21.15  22.96  21.73  30.59   1.16    2.17  13.92    0.00   17.53 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  17.76  24.10  26.31  24.80  39.16   1.36    2.53  17.69    0.00   20.49 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  24.80  33.00  36.14  34.00  68.07   2.28    4.24  29.68    0.00   29.13 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   4.67   7.21   8.13   7.51  22.76   0.61    1.12   8.86    0.00    6.69 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   6.19   9.07  10.18   9.42  20.69   0.63    1.15   9.10    0.00    8.10 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2   9.75  14.17  15.49  14.59  22.31   0.85    1.60  10.01    0.00   11.33 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  11.97  16.91  18.44  17.40  25.47   0.99    1.85  11.56    0.00   13.69 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  12.96  17.79  19.55  18.35  30.72   1.08    2.00  13.98    0.00   14.83 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2   8.42  12.51  13.71  12.89  20.90   0.79    1.47   9.23    0.00    9.93 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  21.66  28.58  31.40  29.48  59.89   2.03    3.78  26.37    0.00   24.81 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  23.0 2   6.40   9.87  11.11  10.27  24.63   0.68    1.25   9.26    0.00    8.14 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  24.0 2   5.56   8.52   9.51   8.84  20.19   0.63    1.16   8.60    0.00    7.27 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   8.36  12.27  13.50  12.66  21.49   0.78    1.45   9.57    0.00    9.93 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   33.0  33.0  54.0 2  12.24  17.85  19.25  18.29  22.31   1.00    1.90  10.01    0.00   13.90 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   26.0  28.0  43.0 2  16.07  22.15  23.99  22.74  30.72   1.25    2.35  13.98    0.00   18.14 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   7.74  11.50  12.66  11.87  20.85   0.75    1.39   9.20    0.00    9.27 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  36   18.0  20.0  20.0 2  17.68  23.13  25.60  23.92  48.54   1.63   3.00  21.67   0.00  19.92 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   13.0  11.0  21.0 2   6.26   9.64  10.87  10.03  24.63   0.66   1.21   9.26   0.00   8.31 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  15.0  25.0 2   5.62   8.62   9.61   8.94  20.19   0.64   1.18   8.60   0.00   7.67 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   6.45   9.97  11.00  10.30  20.19   0.71   1.32   8.60   0.00   8.07 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   32.0  30.0  52.0 2   9.85  14.79  16.03  15.19  20.69   0.89   1.67   9.10   0.00  11.67 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  22.0  37.0 2  11.54  16.32  17.83  16.80  25.47   0.97   1.80  11.56   0.00  13.69 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   7.95  11.84  13.02  12.22  20.88   0.76   1.41   9.22   0.00   9.62 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   19.0  19.0  32.0 2  17.98  24.10  26.34  24.81  39.80   1.42   2.65  17.96   0.00  20.81 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0   9.0  25.0 2   8.86  13.59  15.37  14.16  29.35   0.75   1.38  10.35   0.00  12.21 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    4.0   2.0   6.0 2   4.22   6.43   7.33   6.72  20.63   0.54   0.97   8.51   0.00   6.29 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   5.28   8.32   9.27   8.63  20.43   0.64   1.18   8.51   0.00   7.45 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   6.01   9.24  10.26   9.57  20.19   0.65   1.20   8.66   0.00   8.18 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  10.29  15.22  16.56  15.64  22.31   0.84   1.58  10.01   0.00  12.89 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   7.02  10.49  11.62  10.85  20.73   0.69   1.27   9.12   0.00   9.24 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  19.52  26.85  29.01  27.54  36.95   1.41   2.63  16.73   0.00  23.19 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  14.06  19.74  21.45  20.29  28.65   1.09   2.03  13.04   0.00  16.30 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  15.65  21.72  23.58  22.32  31.40   1.19   2.23  14.28   0.00  18.03 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  18.25  24.67  26.92  25.39  40.02   1.39   2.58  18.06   0.00  21.01 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  24.80  33.00  36.14  34.00  68.07   2.28   4.24  29.68   0.00  29.13 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   4.67   7.21   8.13   7.51  21.53   0.59   1.09   8.63   0.00   6.62 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   6.51   9.47  10.61   9.83  21.04   0.64   1.18   9.31   0.00   8.44 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  10.18  14.70  16.06  15.13  22.86   0.88   1.64  10.29   0.00  11.79 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  12.45  17.50  19.08  18.00  26.24   1.02   1.90  11.92   0.00  14.20 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  13.09  17.95  19.73  18.52  30.99   1.09   2.02  14.10   0.00  14.97 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2   9.45  13.80  15.09  14.21  21.95   0.84   1.57   9.82   0.00  11.02 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  21.66  28.58  31.40  29.48  59.89   2.03   3.78  26.37   0.00  24.81 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  23.0 2   5.09   7.94   8.89   8.24  22.87   0.65   1.20   8.88   0.00   6.67 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  24.0 2   6.64   9.86  10.97  10.21  20.67   0.67   1.23   9.08   0.00   8.41 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   8.62  12.59  13.84  12.99  21.79   0.79   1.47   9.73   0.00  10.20 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   33.0  33.0  54.0 2  12.53  18.21  19.63  18.66  22.60   1.02   1.92  10.16   0.00  14.21 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   26.0  28.0  43.0 2  16.23  22.35  24.21  22.94  30.99   1.26   2.37  14.10   0.00  18.31 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  36   20.0  21.0  34.0 2   8.46  12.39  13.63  12.78  21.60   0.78    1.45    9.63    0.00  10.03 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  20.0  20.0 2  17.68  23.13  25.60  23.92  48.54   1.63    3.00   21.67    0.00  19.92 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   13.0  11.0  21.0 2   5.89   9.10  10.25   9.46  24.07   0.65    1.20    9.14    0.00   7.89 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  15.0  25.0 2   5.75   8.79   9.80   9.11  20.18   0.64    1.19    8.64    0.00   7.81 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   6.78  10.39  11.45  10.73  20.21   0.72    1.33    8.69    0.00   8.41 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   32.0  30.0  52.0 2  10.06  15.06  16.32  15.46  20.83   0.89    1.68    9.18    0.00  11.90 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  22.0  37.0 2  11.59  16.38  17.90  16.86  25.55   0.97    1.81   11.60    0.00  13.75 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   8.53  12.56  13.79  12.95  21.45   0.79    1.47    9.55    0.00  10.23 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   19.0  19.0  32.0 2  17.98  24.10  26.34  24.81  39.80   1.42    2.65   17.96    0.00  20.81 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0   9.0  25.0 2   8.81  13.52  15.29  14.08  29.24   0.75    1.37   10.32    0.00  12.15 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    4.0   2.0   6.0 2   4.22   6.43   7.33   6.72  20.63   0.54    0.97    8.51    0.00   6.29 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   5.35   8.41   9.36   8.72  20.38   0.64    1.18    8.52    0.00   7.51 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   6.03   9.26  10.29   9.59  20.19   0.66    1.21    8.67    0.00   8.21 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  10.33  15.27  16.61  15.70  22.36   0.85    1.58   10.03    0.00  12.94 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   7.07  10.55  11.69  10.91  20.78   0.69    1.27    9.15    0.00   9.30 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  19.63  26.99  29.16  27.68  37.14   1.42    2.65   16.81    0.00  23.32 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  14.54  20.34  22.09  20.90  29.46   1.12    2.09   13.41    0.00  16.82 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  16.47  22.75  24.68  23.37  32.85   1.24    2.33   14.93    0.00  18.92 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  18.53  25.03  27.31  25.76  41.37   1.43    2.66   18.64    0.00  21.37 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  24.80  33.00  36.14  34.00  68.07   2.28    4.24   29.68    0.00  29.13 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   4.74   7.31   8.23   7.61  20.38   0.59    1.08    8.52    0.00   6.64 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   6.81   9.83  11.01  10.21  21.42   0.66    1.20    9.53    0.00   8.76 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  10.91  15.60  17.03  16.05  23.87   0.92    1.72   10.79    0.00  12.56 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  13.13  18.36  19.99  18.88  27.37   1.06    1.99   12.45    0.00  14.94 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  13.42  18.36  20.17  18.94  31.68   1.11    2.07   14.41    0.00  15.34 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  10.10  14.60  15.95  15.03  22.76   0.87    1.64   10.24    0.00  11.70 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  21.66  28.58  31.40  29.48  59.89   2.03    3.78   26.37    0.00  24.81 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  23.0 2   4.99   7.80   8.73   8.10  20.99   0.63    1.16    8.55    0.00   6.50 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  24.0 2   7.07  10.38  11.54  10.75  21.10   0.69    1.27    9.35    0.00   8.86 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   9.13  13.23  14.53  13.64  22.45   0.82    1.52   10.08    0.00  10.76 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   33.0  33.0  54.0 2  13.20  19.04  20.51  19.51  23.31   1.05    1.99   10.52    0.00  14.90 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  36   26.0  28.0  43.0 2  16.31  22.45  24.31  23.04  31.13   1.27   2.38  14.16   0.00  18.40 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   8.99  13.05  14.34  13.46  22.26   0.81   1.51   9.98   0.00  10.60 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  20.0  20.0 2  17.68  23.13  25.60  23.92  48.54   1.63   3.00  21.67   0.00  19.92 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   13.0  11.0  21.0 2   4.93   7.68   8.61   7.98  22.81   0.63   1.16   8.87   0.00   6.79 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  15.0  25.0 2   5.97   9.06  10.09   9.39  20.22   0.65   1.20   8.72   0.00   8.03 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   7.32  11.06  12.18  11.42  20.42   0.73   1.37   8.90   0.00   8.96 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   32.0  30.0  52.0 2  10.25  15.29  16.56  15.70  20.96   0.90   1.70   9.26   0.00  12.09 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  22.0  37.0 2  11.64  16.44  17.97  16.93  25.64   0.97   1.81  11.64   0.00  13.81 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   9.04  13.18  14.46  13.59  22.04   0.81   1.51   9.87   0.00  10.76 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   19.0  19.0  32.0 2  17.88  23.97  26.20  24.68  39.58   1.42   2.63  17.87   0.00  20.69 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0   9.0  25.0 2   8.62  13.24  14.97  13.79  28.77   0.74   1.36  10.21   0.00  11.92 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    4.0   2.0   6.0 2   4.22   6.43   7.33   6.72  20.63   0.54   0.97   8.51   0.00   6.29 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   5.42   8.50   9.46   8.81  20.33   0.64   1.19   8.52   0.00   7.58 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   6.07   9.32  10.35   9.65  20.20   0.66   1.21   8.68   0.00   8.25 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  10.41  15.37  16.72  15.80  22.45   0.85   1.59  10.08   0.00  13.03 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   7.12  10.61  11.76  10.98  20.83   0.69   1.28   9.18   0.00   9.35 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  19.63  26.99  29.16  27.68  37.14   1.42   2.65  16.81   0.00  23.32 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  15.11  21.06  22.86  21.63  30.46   1.16   2.16  13.86   0.00  17.45 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   21.0  17.0  43.0 2  17.55  24.10  26.13  24.75  34.78   1.32   2.46  15.78   0.00  20.10 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  18.83  25.41  27.73  26.15  42.81   1.48   2.75  19.25   0.00  21.75 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   16.0  12.0  35.0 2  24.80  33.00  36.14  34.00  68.07   2.28   4.24  29.68   0.00  29.13 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   5.54   8.29   9.31   8.61  20.24   0.60   1.10   8.74   0.00   7.43 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    9.0  10.0  16.0 2   7.62  10.81  12.10  11.22  22.65   0.70   1.29  10.19   0.00   9.64 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  12.23  17.24  18.79  17.73  25.89   1.00   1.88  11.76   0.00  13.97 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  14.56  20.12  21.90  20.69  29.83   1.16   2.17  13.57   0.00  16.47 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  13.91  18.97  20.83  19.56  32.70   1.15   2.13  14.86   0.00  15.87 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  25.0  39.0 2  10.73  15.38  16.79  15.83  23.61   0.91   1.70  10.67   0.00  12.37 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  19.0  29.0 2  21.66  28.58  31.40  29.48  59.89   2.03   3.78  26.37   0.00  24.81 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  23.0 2   5.41   8.31   9.29   8.62  20.21   0.63   1.16   8.57   0.00   6.89 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   14.0  14.0  24.0 2   7.56  10.99  12.20  11.37  21.71   0.71   1.31   9.69   0.00   9.40 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   9.93  14.22  15.60  14.66  23.61   0.87   1.61  10.67   0.00  11.62 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2  6  36   33.0  33.0  54.0 2  14.22  20.30  21.85  20.79  24.48   1.11   2.10  11.09   0.00  15.97 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   26.0  28.0  43.0 2  16.48  22.65  24.53  23.25  31.40   1.28   2.40  14.28   0.00  18.57 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   20.0  21.0  34.0 2   9.50  13.68  15.03  14.11  22.97   0.84   1.56  10.35   0.00  11.15 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  20.0  20.0 2  17.68  23.13  25.60  23.92  48.54   1.63   3.00  21.67   0.00  19.92 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   13.0  11.0  21.0 2   4.88   7.61   8.54   7.91  21.53   0.62   1.13   8.63   0.00   6.69 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0  15.0  25.0 2   6.36   9.54  10.62   9.88  20.40   0.66   1.22   8.89   0.00   8.44 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   7.98  11.88  13.06  12.25  20.90   0.76   1.42   9.23   0.00   9.65 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   32.0  30.0  52.0 2  10.79  15.97  17.29  16.39  21.38   0.93   1.74   9.51   0.00  12.66 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  22.0  37.0 2  11.74  16.57  18.10  17.05  25.80   0.98   1.82  11.72   0.00  13.92 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   22.0  21.0  36.0 2   9.54  13.81  15.14  14.24  22.70   0.84   1.57  10.21   0.00  11.31 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   19.0  19.0  32.0 2  17.88  23.97  26.20  24.68  39.58   1.42   2.63  17.87   0.00  20.69 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   15.0   9.0  25.0 2   8.00  12.32  13.91  12.83  27.38   0.72   1.32   9.89   0.00  11.19 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36    4.0   2.0   6.0 2   4.22   6.43   7.33   6.72  20.61   0.54   0.97   8.51   0.00   6.29 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   5.53   8.63   9.61   8.95  20.27   0.65   1.19   8.54   0.00   7.69 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   6.14   9.39  10.43   9.73  20.21   0.66   1.21   8.70   0.00   8.31 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  10.49  15.47  16.83  15.91  22.55   0.85   1.59  10.13   0.00  13.12 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   18.0  12.0  29.0 2   7.17  10.68  11.83  11.05  20.88   0.70   1.28   9.22   0.00   9.41 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2  6  36   23.0  13.0  48.0 2  19.63  26.99  29.16  27.68  37.14   1.42   2.65  16.81   0.00  23.32 .458 .288 .135 .034 .002 .003 .080 .000
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5          PROMPT                       # No prompting, vertical format
2006
1          TAMFLG                       # Use MOBILE 5 tampering rates
1          SPDFLG                       # Use one speed for all vehicle types
2          VMFLAG                       # Each scenario has its own VMT mix
3          MYMRFG                       # Use local registration distribution
1          NEWFLG                       # Use MOBILE 5 BER's
6          IMFLAG                       # Use one I/M programs
1          ALHFLG                       # No additional correction factors
2          ATPFLG                       # Anti-tampering, no press/purge check
1          RLFLAG                       # Uncontrolled refueling emission rates
2          LOCFLG                       # Only one LAP record
2          TEMFLG                       # MOBILE 5 uses max and min temp.
2          OUTFMT                       # 80 column descriptive format
2          PRTFLG                       # Calculate CO only
1          IDLFLG                       # No idle emissions
3          NMHFLG                       # VOC emission factors
1          HCFLAG                       # No component emission factor output
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDGV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT1
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT2
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .066 .062 .049 .050 .052 .084 .096 .069 .064 .042  # Colorado HDGV
 .052 .054 .044 .030 .026 .025 .027 .027 .027 .018  # registration distribution
 .014 .011 .007 .004 .000
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDDV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDDT
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .110 .095 .116 .113 .080 .102 .079 .062 .037 .050  # Colorado HDDV
 .048 .055 .044 .001 .001 .001 .001 .001 .001 .001  # registration distribution
 .001 .001 .000 .000 .000
 .001 .001 .001 .001 .001 .001 .001 .001 .001 .001  # Colorado MC
 .001 .989 .000 .000 .000 .000 .000 .000 .000 .000  # registration distribution
 .000 .000 .000 .000 .000
2 1 2 1
82 20 82 02 00 00 098 1 2 2221 4222   .6 10.0  1.5
82 20 82 02 00 00 098 1 2 1112 2222 220.  1.2 999.
TECH12RSD80.D
IMDATRSD80.D
82 75 02 2222 12 098. 22111112
                 C  26.  52. 12.4 12.4 92 2
.001 .999 .027 .015 2
4  6 21.5 27.0 16.0  8.0 16.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  1 CBD      PRINCIPAL ARTERIAL
4  6 18.7 27.0 16.0  8.0 16.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  1 CBD      MINOR ARTERIAL
4  6 17.1 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  1 CBD      COLLECTOR
4  6 11.4 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  1 CBD      LOCAL
4  6 36.3 27.0  8.0  1.0  8.0
01 1 1
.571.218.102.031.002.002.074.000    6 AM  1 FRINGE   FREEWAY
4  6 30.4 27.0  8.0  1.0  8.0
01 1 1
.571.218.102.031.002.002.074.000    6 AM  1 FRINGE   MAJOR REGIONAL
4  6 24.8 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   PRINCIPAL ARTERIAL
4  6 22.1 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   MINOR ARTERIAL
4  6 21.1 27.0 22.0  2.0 22.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   COLLECTOR
4  6 30.3 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   RAMP
4  6 13.1 27.0 22.0  1.0 23.0
```

```
01 1 1
.667.154.072.030.002.002.073.000    6 AM  1 FRINGE   LOCAL
4  6 40.2 27.0 22.0  2.0 22.0
01 1 1
.644.187.088.023.002.002.054.000    6 AM  1 URBAN    FREEWAY
4  6 32.8 27.0 24.0  2.0 24.0
01 1 1
.584.226.106.024.002.002.056.000    6 AM  1 URBAN    MAJOR REGIONAL
4  6 28.8 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  1 URBAN    PRINCIPAL ARTERIAL
4  6 27.2 27.0 81.0  7.0 83.0
01 1 1
.683.171.080.018.002.002.044.000    6 AM  1 URBAN    MINOR ARTERIAL
4  6 23.2 27.0 69.0  7.0 71.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  1 URBAN    COLLECTOR
4  6 31.7 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  1 URBAN    RAMP
4  6 16.3 27.0 44.0  4.0 46.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  1 URBAN    LOCAL
4  6 45.6 27.0 28.0  2.0 28.0
01 1 1
.570.234.109.024.002.003.058.000    6 AM  1 SUBURBAN FREEWAY
4  6 36.5 27.0 19.0  2.0 19.0
01 1 1
.514.241.113.037.002.003.090.000    6 AM  1 SUBURBAN MAJOR REGIONAL
4  6 34.0 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  1 SUBURBAN PRINCIPAL ARTERIAL
4  6 32.7 27.0 77.0  8.0 77.0
01 1 1
.637.194.091.022.002.002.052.000    6 AM  1 SUBURBAN MINOR ARTERIAL
4  6 27.6 27.0 73.0  7.0 73.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  1 SUBURBAN COLLECTOR
4  6 30.5 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  1 SUBURBAN RAMP
4  6 19.8 27.0 52.0  5.0 52.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  1 SUBURBAN LOCAL
4  6 59.0 27.0 36.0  1.0 35.0
01 1 1
.389.222.104.083.001.002.199.000    6 AM  1 RURAL    FREEWAY
4  6 45.0 27.0  8.0  0.0  8.0
01 1 1
.493.225.105.051.002.002.122.000    6 AM  1 RURAL    MAJOR REGIONAL
4  6 42.3 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    PRINCIPAL ARTERIAL
4  6 41.5 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    MINOR ARTERIAL
4  6 31.7 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    COLLECTOR
4  6 34.9 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    RAMP
4  6 21.9 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  1 RURAL    LOCAL
4  6 16.3 27.0 16.0  8.0 16.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  2 CBD      PRINCIPAL ARTERIAL
4  6 14.5 27.0 16.0  8.0 16.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  2 CBD      MINOR ARTERIAL
4  6 15.2 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  2 CBD      COLLECTOR
4  6 11.4 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  2 CBD      LOCAL
4  6 27.8 27.0  8.0  1.0  8.0
01 1 1
.571.218.102.031.002.002.074.000    6 AM  2 FRINGE   FREEWAY
4  6 23.1 27.0  8.0  1.0  8.0
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01 1 1
.571.218.102.031.002.002.074.000    6 AM  2 FRINGE   MAJOR REGIONAL
4  6 19.1 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   PRINCIPAL ARTERIAL
4  6 17.3 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   MINOR ARTERIAL
4  6 17.9 27.0 22.0  2.0 22.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   COLLECTOR
4  6 26.3 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   RAMP
4  6 13.1 27.0 22.0  1.0 23.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  2 FRINGE   LOCAL
4  6 32.2 27.0 22.0  2.0 22.0
01 1 1
.644.187.088.023.002.002.054.000    6 AM  2 URBAN    FREEWAY
4  6 27.9 27.0 24.0  2.0 24.0
01 1 1
.584.226.106.024.002.002.056.000    6 AM  2 URBAN    MAJOR REGIONAL
4  6 23.2 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  2 URBAN    PRINCIPAL ARTERIAL
4  6 22.1 27.0 81.0  7.0 83.0
01 1 1
.683.171.080.018.002.002.044.000    6 AM  2 URBAN    MINOR ARTERIAL
4  6 20.6 27.0 69.0  7.0 71.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  2 URBAN    COLLECTOR
4  6 28.5 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  2 URBAN    RAMP
4  6 16.3 27.0 44.0  4.0 46.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  2 URBAN    LOCAL
4  6 38.7 27.0 28.0  2.0 28.0
01 1 1
.570.234.109.024.002.003.058.000    6 AM  2 SUBURBAN FREEWAY
4  6 30.8 27.0 19.0  2.0 19.0
01 1 1
.514.241.113.037.002.003.090.000    6 AM  2 SUBURBAN MAJOR REGIONAL
4  6 27.6 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  2 SUBURBAN PRINCIPAL ARTERIAL
4  6 27.3 27.0 77.0  8.0 77.0
01 1 1
.637.194.091.022.002.002.052.000    6 AM  2 SUBURBAN MINOR ARTERIAL
4  6 24.3 27.0 73.0  7.0 73.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  2 SUBURBAN COLLECTOR
4  6 27.9 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  2 SUBURBAN RAMP
4  6 19.8 27.0 52.0  5.0 52.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  2 SUBURBAN LOCAL
4  6 53.5 27.0 36.0  1.0 35.0
01 1 1
.389.222.104.083.001.002.199.000    6 AM  2 RURAL    FREEWAY
4  6 39.9 27.0  8.0  0.0  8.0
01 1 1
.493.225.105.051.002.002.122.000    6 AM  2 RURAL    MAJOR REGIONAL
4  6 38.5 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    PRINCIPAL ARTERIAL
4  6 38.5 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    MINOR ARTERIAL
4  6 29.7 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    COLLECTOR
4  6 31.1 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    RAMP
4  6 21.9 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  2 RURAL    LOCAL
4  6 11.8 27.0 16.0  8.0 16.0
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01 1 1
.595.214.100.026.002.002.061.000    6 AM  3 CBD      PRINCIPAL ARTERIAL
4  6 11.3 27.0 16.0  8.0 16.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  3 CBD      MINOR ARTERIAL
4  6 12.9 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  3 CBD      COLLECTOR
4  6 11.4 27.0  7.0 11.0  7.0
01 1 1
.595.214.100.026.002.002.061.000    6 AM  3 CBD      LOCAL
4  6 21.1 27.0  8.0  1.0  8.0
01 1 1
.571.218.102.031.002.002.074.000    6 AM  3 FRINGE   FREEWAY
4  6 17.8 27.0  8.0  1.0  8.0
01 1 1
.571.218.102.031.002.002.074.000    6 AM  3 FRINGE   MAJOR REGIONAL
4  6 14.1 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   PRINCIPAL ARTERIAL
4  6 12.9 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   MINOR ARTERIAL
4  6 14.5 27.0 22.0  2.0 22.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   COLLECTOR
4  6 22.0 27.0 41.0  5.0 42.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   RAMP
4  6 13.1 27.0 22.0  1.0 23.0
01 1 1
.667.154.072.030.002.002.073.000    6 AM  3 FRINGE   LOCAL
4  6 25.6 27.0 22.0  2.0 22.0
01 1 1
.644.187.088.023.002.002.054.000    6 AM  3 URBAN    FREEWAY
4  6 22.3 27.0 24.0  2.0 24.0
01 1 1
.584.226.106.024.002.002.056.000    6 AM  3 URBAN    MAJOR REGIONAL
4  6 18.2 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  3 URBAN    PRINCIPAL ARTERIAL
4  6 17.3 27.0 81.0  7.0 83.0
01 1 1
.683.171.080.018.002.002.044.000    6 AM  3 URBAN    MINOR ARTERIAL
4  6 17.4 27.0 69.0  7.0 71.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  3 URBAN    COLLECTOR
4  6 25.1 27.0 39.0  4.0 40.0
01 1 1
.641.190.089.022.002.002.054.000    6 AM  3 URBAN    RAMP
4  6 16.3 27.0 44.0  4.0 46.0
01 1 1
.652.181.085.023.002.002.055.000    6 AM  3 URBAN    LOCAL
4  6 31.7 27.0 28.0  2.0 28.0
01 1 1
.570.234.109.024.002.003.058.000    6 AM  3 SUBURBAN FREEWAY
4  6 26.5 27.0 19.0  2.0 19.0
01 1 1
.514.241.113.037.002.003.090.000    6 AM  3 SUBURBAN MAJOR REGIONAL
4  6 21.8 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  3 SUBURBAN PRINCIPAL ARTERIAL
4  6 21.3 27.0 77.0  8.0 77.0
01 1 1
.637.194.091.022.002.002.052.000    6 AM  3 SUBURBAN MINOR ARTERIAL
4  6 20.9 27.0 73.0  7.0 73.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  3 SUBURBAN COLLECTOR
4  6 25.2 27.0 39.0  3.0 39.0
01 1 1
.583.227.106.024.002.002.056.000    6 AM  3 SUBURBAN RAMP
4  6 19.8 27.0 52.0  5.0 52.0
01 1 1
.626.229.107.010.002.002.024.000    6 AM  3 SUBURBAN LOCAL
4  6 47.5 27.0 36.0  1.0 35.0
01 1 1
.389.222.104.083.001.002.199.000    6 AM  3 RURAL    FREEWAY
4  6 34.3 27.0  8.0  0.0  8.0
01 1 1
.493.225.105.051.002.002.122.000    6 AM  3 RURAL    MAJOR REGIONAL
4  6 34.5 27.0 13.0  1.0 13.0
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01 1 1
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    PRINCIPAL ARTERIAL
4  6 34.5 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    MINOR ARTERIAL
4  6 27.7 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    COLLECTOR
4  6 26.1 27.0 13.0  1.0 13.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    RAMP
4  6 21.9 27.0 57.0  2.0 57.0
01 1 1
.564.238.111.024.002.003.058.000    6 AM  3 RURAL    LOCAL
4  6 23.2 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  4 CBD      PRINCIPAL ARTERIAL
4  6 19.9 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  4 CBD      MINOR ARTERIAL
4  6 17.5 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  4 CBD      COLLECTOR
4  6 11.4 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  4 CBD      LOCAL
4  6 37.1 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  4 FRINGE   FREEWAY
4  6 33.9 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  4 FRINGE   MAJOR REGIONAL
4  6 27.0 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   PRINCIPAL ARTERIAL
4  6 23.2 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   MINOR ARTERIAL
4  6 22.5 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   COLLECTOR
4  6 29.3 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   RAMP
4  6 13.1 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  4 FRINGE   LOCAL
4  6 41.2 52.0  8.0  7.0 12.0
01 1 1
.618.207.097.022.002.002.052.000    6 PM  4 URBAN    FREEWAY
4  6 31.5 52.0 15.0 14.0 23.0
01 1 1
.587.241.113.016.002.003.038.000    6 PM  4 URBAN    MAJOR REGIONAL
4  6 29.8 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  4 URBAN    PRINCIPAL ARTERIAL
4  6 28.6 52.0 39.0 37.0 60.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  4 URBAN    MINOR ARTERIAL
4  6 23.9 52.0 24.0 24.0 38.0
01 1 1
.698.180.084.010.002.002.024.000    6 PM  4 URBAN    COLLECTOR
4  6 31.4 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  4 URBAN    RAMP
4  6 16.3 52.0 19.0 19.0 31.0
01 1 1
.698.180.084.010.002.002.024.000    6 PM  4 URBAN    LOCAL
4  6 49.1 52.0 13.0 10.0 19.0
01 1 1
.577.232.109.023.002.002.055.000    6 PM  4 SUBURBAN FREEWAY
4  6 38.0 52.0 14.0 23.0 22.0
01 1 1
.478.281.132.031.002.003.073.000    6 PM  4 SUBURBAN MAJOR REGIONAL
4  6 36.0 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  4 SUBURBAN PRINCIPAL ARTERIAL
4  6 35.6 52.0 25.0 24.0 37.0
01 1 1
.599.229.107.018.002.002.043.000    6 PM  4 SUBURBAN MINOR ARTERIAL
4  6 28.9 52.0 28.0 26.0 43.0
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01 1 1
.648.207.097.013.002.002.031.000    6 PM  4 SUBURBAN COLLECTOR
4  6 32.8 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  4 SUBURBAN RAMP
4  6 19.8 52.0 19.0 18.0 29.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  4 SUBURBAN LOCAL
4  6 60.7 52.0 16.0  9.0 23.0
01 1 1
.418.241.113.066.001.003.158.000    6 PM  4 RURAL    FREEWAY
4  6 48.4 52.0  3.0  2.0  5.0
01 1 1
.498.261.122.034.002.003.080.000    6 PM  4 RURAL    MAJOR REGIONAL
4  6 45.2 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    PRINCIPAL ARTERIAL
4  6 42.6 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    MINOR ARTERIAL
4  6 33.8 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    COLLECTOR
4  6 38.3 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    RAMP
4  6 21.7 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  4 RURAL    LOCAL
4  6 16.9 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  5 CBD      PRINCIPAL ARTERIAL
4  6 14.4 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  5 CBD      MINOR ARTERIAL
4  6 15.3 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  5 CBD      COLLECTOR
4  6 11.4 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  5 CBD      LOCAL
4  6 27.7 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  5 FRINGE   FREEWAY
4  6 25.0 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  5 FRINGE   MAJOR REGIONAL
4  6 18.7 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   PRINCIPAL ARTERIAL
4  6 16.6 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   MINOR ARTERIAL
4  6 18.4 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   COLLECTOR
4  6 24.0 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   RAMP
4  6 13.1 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  5 FRINGE   LOCAL
4  6 29.5 52.0  8.0  7.0 12.0
01 1 1
.618.207.097.022.002.002.052.000    6 PM  5 URBAN    FREEWAY
4  6 26.3 52.0 15.0 14.0 23.0
01 1 1
.587.241.113.016.002.003.038.000    6 PM  5 URBAN    MAJOR REGIONAL
4  6 22.4 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  5 URBAN    PRINCIPAL ARTERIAL
4  6 21.0 52.0 39.0 37.0 60.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  5 URBAN    MINOR ARTERIAL
4  6 21.0 52.0 24.0 24.0 38.0
01 1 1
.698.180.084.010.002.002.024.000    6 PM  5 URBAN    COLLECTOR
4  6 27.4 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  5 URBAN    RAMP
4  6 16.3 52.0 19.0 19.0 31.0
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01 1 1
.698.180.084.010.002.002.024.000    6 PM  5 URBAN    LOCAL
4  6 39.3 52.0 13.0 10.0 19.0
01 1 1
.577.232.109.023.002.002.055.000    6 PM  5 SUBURBAN FREEWAY
4  6 32.5 52.0 14.0 23.0 22.0
01 1 1
.478.281.132.031.002.003.073.000    6 PM  5 SUBURBAN MAJOR REGIONAL
4  6 28.2 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  5 SUBURBAN PRINCIPAL ARTERIAL
4  6 28.5 52.0 25.0 24.0 37.0
01 1 1
.599.229.107.018.002.002.043.000    6 PM  5 SUBURBAN MINOR ARTERIAL
4  6 25.3 52.0 28.0 26.0 43.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  5 SUBURBAN COLLECTOR
4  6 29.8 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  5 SUBURBAN RAMP
4  6 19.8 52.0 19.0 18.0 29.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  5 SUBURBAN LOCAL
4  6 55.1 52.0 16.0  9.0 23.0
01 1 1
.418.241.113.066.001.003.158.000    6 PM  5 RURAL    FREEWAY
4  6 44.1 52.0  3.0  2.0  5.0
01 1 1
.498.261.122.034.002.003.080.000    6 PM  5 RURAL    MAJOR REGIONAL
4  6 41.0 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    PRINCIPAL ARTERIAL
4  6 40.2 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    MINOR ARTERIAL
4  6 31.7 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    COLLECTOR
4  6 36.5 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    RAMP
4  6 21.7 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  5 RURAL    LOCAL
4  6 12.4 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  6 CBD      PRINCIPAL ARTERIAL
4  6 10.8 52.0 46.0 12.0 59.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  6 CBD      MINOR ARTERIAL
4  6 12.9 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  6 CBD      COLLECTOR
4  6 11.4 52.0 45.0  8.0 56.0
01 1 1
.648.173.081.028.002.002.066.000    6 PM  6 CBD      LOCAL
4  6 21.8 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  6 FRINGE   FREEWAY
4  6 20.1 52.0  8.0  7.0 12.0
01 1 1
.547.241.113.028.002.003.066.000    6 PM  6 FRINGE   MAJOR REGIONAL
4  6 14.3 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   PRINCIPAL ARTERIAL
4  6 12.1 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   MINOR ARTERIAL
4  6 15.1 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   COLLECTOR
4  6 20.4 52.0 30.0 19.0 43.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   RAMP
4  6 13.1 52.0 34.0 14.0 46.0
01 1 1
.629.193.090.025.002.002.059.000    6 PM  6 FRINGE   LOCAL
4  6 22.6 52.0  8.0  7.0 12.0
01 1 1
.618.207.097.022.002.002.052.000    6 PM  6 URBAN    FREEWAY
4  6 20.6 52.0 15.0 14.0 23.0
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01 1 1
.587.241.113.016.002.003.038.000    6 PM  6 URBAN    MAJOR REGIONAL
4  6 17.3 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  6 URBAN    PRINCIPAL ARTERIAL
4  6 16.6 52.0 39.0 37.0 60.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  6 URBAN    MINOR ARTERIAL
4  6 17.8 52.0 24.0 24.0 38.0
01 1 1
.698.180.084.010.002.002.024.000    6 PM  6 URBAN    COLLECTOR
4  6 24.4 52.0 19.0 17.0 30.0
01 1 1
.624.207.097.020.002.002.048.000    6 PM  6 URBAN    RAMP
4  6 16.3 52.0 19.0 19.0 31.0
01 1 1
.698.180.084.010.002.002.024.000    6 PM  6 URBAN    LOCAL
4  6 32.6 52.0 13.0 10.0 19.0
01 1 1
.577.232.109.023.002.002.055.000    6 PM  6 SUBURBAN FREEWAY
4  6 28.3 52.0 14.0 23.0 22.0
01 1 1
.478.281.132.031.002.003.073.000    6 PM  6 SUBURBAN MAJOR REGIONAL
4  6 22.7 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  6 SUBURBAN PRINCIPAL ARTERIAL
4  6 23.2 52.0 25.0 24.0 37.0
01 1 1
.599.229.107.018.002.002.043.000    6 PM  6 SUBURBAN MINOR ARTERIAL
4  6 22.5 52.0 28.0 26.0 43.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  6 SUBURBAN COLLECTOR
4  6 27.6 52.0 12.0 11.0 18.0
01 1 1
.558.254.119.019.002.003.045.000    6 PM  6 SUBURBAN RAMP
4  6 19.8 52.0 19.0 18.0 29.0
01 1 1
.648.207.097.013.002.002.031.000    6 PM  6 SUBURBAN LOCAL
4  6 50.1 52.0 16.0  9.0 23.0
01 1 1
.418.241.113.066.001.003.158.000    6 PM  6 RURAL    FREEWAY
4  6 40.1 52.0  3.0  2.0  5.0
01 1 1
.498.261.122.034.002.003.080.000    6 PM  6 RURAL    MAJOR REGIONAL
4  6 37.2 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    PRINCIPAL ARTERIAL
4  6 37.0 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    MINOR ARTERIAL
4  6 30.0 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    COLLECTOR
4  6 35.2 52.0 16.0 13.0 24.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    RAMP
4  6 21.7 52.0 23.0 13.0 34.0
01 1 1
.619.220.103.016.002.002.038.000    6 PM  6 RURAL    LOCAL
4  6 27.0 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      PRINCIPAL ARTERIAL
4  6 25.1 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      MINOR ARTERIAL
4  6 20.0 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      COLLECTOR
4  6 11.3 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 7 CBD      LOCAL
4  6 55.0 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 7 FRINGE   FREEWAY
4  6 39.8 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 7 FRINGE   MAJOR REGIONAL
4  6 35.0 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   PRINCIPAL ARTERIAL
4  6 30.0 36.0 22.0 25.0 39.0
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01 1 1
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   MINOR ARTERIAL
4  6 25.0 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   COLLECTOR
4  6 38.9 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   RAMP
4  6 13.1 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 7 FRINGE   LOCAL
4  6 58.0 36.0 14.0 14.0 23.0
01 1 1
.618.200.094.025.002.002.059.000    6 OFF 7 URBAN    FREEWAY
4  6 45.0 36.0 14.0 14.0 24.0
01 1 1
.547.248.116.025.002.003.059.000    6 OFF 7 URBAN    MAJOR REGIONAL
4  6 37.0 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 7 URBAN    PRINCIPAL ARTERIAL
4  6 35.0 36.0 33.0 33.0 54.0
01 1 1
.658.180.084.022.002.002.052.000    6 OFF 7 URBAN    MINOR ARTERIAL
4  6 25.0 36.0 26.0 28.0 43.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 7 URBAN    COLLECTOR
4  6 39.1 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 7 URBAN    RAMP
4  6 16.3 36.0 18.0 20.0 20.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 7 URBAN    LOCAL
4  6 58.0 36.0 13.0 11.0 21.0
01 1 1
.549.233.109.031.002.003.073.000    6 OFF 7 SUBURBAN FREEWAY
4  6 45.0 36.0 15.0 15.0 25.0
01 1 1
.477.275.129.034.002.003.080.000    6 OFF 7 SUBURBAN MAJOR REGIONAL
4  6 45.0 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 7 SUBURBAN PRINCIPAL ARTERIAL
4  6 39.8 36.0 32.0 30.0 52.0
01 1 1
.609.212.099.022.002.002.054.000    6 OFF 7 SUBURBAN MINOR ARTERIAL
4  6 30.0 36.0 23.0 22.0 37.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF 7 SUBURBAN COLLECTOR
4  6 39.0 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 7 SUBURBAN RAMP
4  6 19.7 36.0 19.0 19.0 32.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF 7 SUBURBAN LOCAL
4  6 63.0 36.0 15.0  9.0 25.0
01 1 1
.440.220.103.069.001.002.165.000    6 OFF 7 RURAL    FREEWAY
4  6 49.0 36.0  4.0  2.0  6.0
01 1 1
.487.241.113.045.002.003.109.000    6 OFF 7 RURAL    MAJOR REGIONAL
4  6 47.9 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    PRINCIPAL ARTERIAL
4  6 44.0 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    MINOR ARTERIAL
4  6 35.0 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    COLLECTOR
4  6 39.6 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    RAMP
4  6 21.1 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 7 RURAL    LOCAL
4  6 26.7 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      PRINCIPAL ARTERIAL
4  6 24.5 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      MINOR ARTERIAL
4  6 19.6 36.0 16.0 12.0 35.0
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01 1 1
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      COLLECTOR
4  6 11.3 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 8 CBD      LOCAL
4  6 52.2 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 8 FRINGE   FREEWAY
4  6 38.4 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 8 FRINGE   MAJOR REGIONAL
4  6 33.9 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   PRINCIPAL ARTERIAL
4  6 29.1 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   MINOR ARTERIAL
4  6 24.8 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   COLLECTOR
4  6 35.8 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   RAMP
4  6 13.1 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 8 FRINGE   LOCAL
4  6 55.2 36.0 14.0 14.0 23.0
01 1 1
.618.200.094.025.002.002.059.000    6 OFF 8 URBAN    FREEWAY
4  6 39.9 36.0 14.0 14.0 24.0
01 1 1
.547.248.116.025.002.003.059.000    6 OFF 8 URBAN    MAJOR REGIONAL
4  6 36.2 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 8 URBAN    PRINCIPAL ARTERIAL
4  6 34.4 36.0 33.0 33.0 54.0
01 1 1
.658.180.084.022.002.002.052.000    6 OFF 8 URBAN    MINOR ARTERIAL
4  6 24.8 36.0 26.0 28.0 43.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 8 URBAN    COLLECTOR
4  6 36.7 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 8 URBAN    RAMP
4  6 16.3 36.0 18.0 20.0 20.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 8 URBAN    LOCAL
4  6 57.2 36.0 13.0 11.0 21.0
01 1 1
.549.233.109.031.002.003.073.000    6 OFF 8 SUBURBAN FREEWAY
4  6 44.3 36.0 15.0 15.0 25.0
01 1 1
.477.275.129.034.002.003.080.000    6 OFF 8 SUBURBAN MAJOR REGIONAL
4  6 43.5 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 8 SUBURBAN PRINCIPAL ARTERIAL
4  6 39.2 36.0 32.0 30.0 52.0
01 1 1
.609.212.099.022.002.002.054.000    6 OFF 8 SUBURBAN MINOR ARTERIAL
4  6 29.9 36.0 23.0 22.0 37.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF 8 SUBURBAN COLLECTOR
4  6 37.1 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 8 SUBURBAN RAMP
4  6 19.7 36.0 19.0 19.0 32.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF 8 SUBURBAN LOCAL
4  6 62.9 36.0 15.0  9.0 25.0
01 1 1
.440.220.103.069.001.002.165.000    6 OFF 8 RURAL    FREEWAY
4  6 49.0 36.0  4.0  2.0  6.0
01 1 1
.487.241.113.045.002.003.109.000    6 OFF 8 RURAL    MAJOR REGIONAL
4  6 47.5 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    PRINCIPAL ARTERIAL
4  6 43.9 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    MINOR ARTERIAL
4  6 34.9 36.0 23.0 13.0 48.0
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01 1 1
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    COLLECTOR
4  6 39.4 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    RAMP
4  6 21.0 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 8 RURAL    LOCAL
4  6 26.0 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      PRINCIPAL ARTERIAL
4  6 23.5 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      MINOR ARTERIAL
4  6 19.0 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      COLLECTOR
4  6 11.3 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF 9 CBD      LOCAL
4  6 47.5 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 9 FRINGE   FREEWAY
4  6 37.2 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF 9 FRINGE   MAJOR REGIONAL
4  6 32.2 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   PRINCIPAL ARTERIAL
4  6 27.9 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   MINOR ARTERIAL
4  6 24.3 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   COLLECTOR
4  6 34.1 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   RAMP
4  6 13.1 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF 9 FRINGE   LOCAL
4  6 50.5 36.0 14.0 14.0 23.0
01 1 1
.618.200.094.025.002.002.059.000    6 OFF 9 URBAN    FREEWAY
4  6 38.2 36.0 14.0 14.0 24.0
01 1 1
.547.248.116.025.002.003.059.000    6 OFF 9 URBAN    MAJOR REGIONAL
4  6 34.7 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 9 URBAN    PRINCIPAL ARTERIAL
4  6 33.1 36.0 33.0 33.0 54.0
01 1 1
.658.180.084.022.002.002.052.000    6 OFF 9 URBAN    MINOR ARTERIAL
4  6 24.7 36.0 26.0 28.0 43.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 9 URBAN    COLLECTOR
4  6 35.1 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF 9 URBAN    RAMP
4  6 16.3 36.0 18.0 20.0 20.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF 9 URBAN    LOCAL
4  6 55.1 36.0 13.0 11.0 21.0
01 1 1
.549.233.109.031.002.003.073.000    6 OFF 9 SUBURBAN FREEWAY
4  6 43.2 36.0 15.0 15.0 25.0
01 1 1
.477.275.129.034.002.003.080.000    6 OFF 9 SUBURBAN MAJOR REGIONAL
4  6 41.3 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 9 SUBURBAN PRINCIPAL ARTERIAL
4  6 38.7 36.0 32.0 30.0 52.0
01 1 1
.609.212.099.022.002.002.054.000    6 OFF 9 SUBURBAN MINOR ARTERIAL
4  6 29.8 36.0 23.0 22.0 37.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF 9 SUBURBAN COLLECTOR
4  6 35.6 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF 9 SUBURBAN RAMP
4  6 19.8 36.0 19.0 19.0 32.0
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01 1 1
.568.268.125.010.002.003.024.000    6 OFF 9 SUBURBAN LOCAL
4  6 62.5 36.0 15.0  9.0 25.0
01 1 1
.440.220.103.069.001.002.165.000    6 OFF 9 RURAL    FREEWAY
4  6 49.0 36.0  4.0  2.0  6.0
01 1 1
.487.241.113.045.002.003.109.000    6 OFF 9 RURAL    MAJOR REGIONAL
4  6 47.1 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    PRINCIPAL ARTERIAL
4  6 43.7 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    MINOR ARTERIAL
4  6 34.7 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    COLLECTOR
4  6 39.2 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    RAMP
4  6 21.0 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF 9 RURAL    LOCAL
4  6 25.2 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF10 CBD      PRINCIPAL ARTERIAL
4  6 22.3 36.0 21.0 17.0 43.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF10 CBD      MINOR ARTERIAL
4  6 18.4 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF10 CBD      COLLECTOR
4  6 11.3 36.0 16.0 12.0 35.0
01 1 1
.589.213.100.028.002.002.066.000    6 OFF10 CBD      LOCAL
4  6 42.9 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF10 FRINGE   FREEWAY
4  6 34.3 36.0  9.0 10.0 16.0
01 1 1
.517.241.113.037.002.003.087.000    6 OFF10 FRINGE   MAJOR REGIONAL
4  6 29.5 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   PRINCIPAL ARTERIAL
4  6 25.7 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   MINOR ARTERIAL
4  6 23.6 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   COLLECTOR
4  6 32.6 36.0 22.0 25.0 39.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   RAMP
4  6 13.1 36.0 15.0 19.0 29.0
01 1 1
.648.187.087.022.002.002.052.000    6 OFF10 FRINGE   LOCAL
4  6 45.6 36.0 14.0 14.0 23.0
01 1 1
.618.200.094.025.002.002.059.000    6 OFF10 URBAN    FREEWAY
4  6 36.4 36.0 14.0 14.0 24.0
01 1 1
.547.248.116.025.002.003.059.000    6 OFF10 URBAN    MAJOR REGIONAL
4  6 32.6 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF10 URBAN    PRINCIPAL ARTERIAL
4  6 31.3 36.0 33.0 33.0 54.0
01 1 1
.658.180.084.022.002.002.052.000    6 OFF10 URBAN    MINOR ARTERIAL
4  6 24.5 36.0 26.0 28.0 43.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF10 URBAN    COLLECTOR
4  6 33.7 36.0 20.0 21.0 34.0
01 1 1
.630.210.098.017.002.002.041.000    6 OFF10 URBAN    RAMP
4  6 16.3 36.0 18.0 20.0 20.0
01 1 1
.658.207.097.010.002.002.024.000    6 OFF10 URBAN    LOCAL
4  6 52.2 36.0 13.0 11.0 21.0
01 1 1
.549.233.109.031.002.003.073.000    6 OFF10 SUBURBAN FREEWAY
4  6 41.4 36.0 15.0 15.0 25.0
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01 1 1
.477.275.129.034.002.003.080.000    6 OFF10 SUBURBAN MAJOR REGIONAL
4  6 38.9 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF10 SUBURBAN PRINCIPAL ARTERIAL
4  6 37.3 36.0 32.0 30.0 52.0
01 1 1
.609.212.099.022.002.002.054.000    6 OFF10 SUBURBAN MINOR ARTERIAL
4  6 29.6 36.0 23.0 22.0 37.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF10 SUBURBAN COLLECTOR
4  6 34.2 36.0 22.0 21.0 36.0
01 1 1
.608.207.097.025.002.002.059.000    6 OFF10 SUBURBAN RAMP
4  6 19.8 36.0 19.0 19.0 32.0
01 1 1
.568.268.125.010.002.003.024.000    6 OFF10 SUBURBAN LOCAL
4  6 61.2 36.0 15.0  9.0 25.0
01 1 1
.440.220.103.069.001.002.165.000    6 OFF10 RURAL    FREEWAY
4  6 48.9 36.0  4.0  2.0  6.0
01 1 1
.487.241.113.045.002.003.109.000    6 OFF10 RURAL    MAJOR REGIONAL
4  6 46.5 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    PRINCIPAL ARTERIAL
4  6 43.4 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    MINOR ARTERIAL
4  6 34.5 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    COLLECTOR
4  6 39.0 36.0 18.0 12.0 29.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    RAMP
4  6 21.0 36.0 23.0 13.0 48.0
01 1 1
.458.288.135.034.002.003.080.000    6 OFF10 RURAL    LOCAL
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12006
 MOBILE5b (14-Sep-96)
0
-M 22 Warning:
+              0.346E-01 mileage with zero registration
-M 22 Warning:
+              0.626E-01 mileage with zero registration
-M 22 Warning:
+              0.373E-01 mileage with zero registration
-M 22 Warning:
+              0.222E-01 mileage with zero registration
0R                           P
 e    Amb.                   o                      Composite Emission Factors                                        Vehicle Mix
 g CY Tmp   Cold/Hot Start   l  LDGV   LDGT1  LDGT2  LDGT   HDGV   LDDV   LDDT   HDDV    MC   AllVeh LDGV LDGT1LDGT2HDGV LDDV LDDT HDDV  MC
 - -- ---- ---------------- - --------------------------------------------------------------------------- -------------------------------------
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  14.64  20.57  23.28  21.43  18.25   1.14   1.27   9.78   0.00  16.51 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  16.78  23.29  26.34  24.26  21.22   1.32   1.47  11.29   0.00  18.85 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  16.13  21.92  25.12  22.94  23.31   1.37   1.53  12.34   0.00  18.16 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  20.33  27.27  31.31  28.56  34.08   1.95   2.19  17.58   0.00  23.03 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2   6.95  10.43  12.01  10.93  10.97   0.62   0.69   5.79   0.00   8.24 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2   8.82  12.82  14.74  13.43  12.68   0.73   0.81   6.80   0.00  10.24 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  15.46  22.87  25.21  23.61  15.63   1.17   1.30   8.40   0.00  16.74 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  17.79  25.97  28.59  26.80  17.71   1.33   1.47   9.50   0.00  19.15 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2  15.80  22.45  25.23  23.33  18.63   1.19   1.32   9.97   0.00  17.10 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  12.01  18.26  20.18  18.87  12.72   0.95   1.06   6.82   0.00  13.16 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   1.0  23.0 2  21.68  30.21  33.95  31.40  30.20   1.87   2.08  15.72   0.00  23.62 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2   6.85  10.75  12.18  11.21  10.39   0.64   0.71   5.39   0.00   8.03 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   24.0   2.0  24.0 2   9.26  13.98  15.74  14.54  11.85   0.77   0.85   6.32   0.00  10.88 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  12.62  19.01  21.03  19.65  13.37   0.99   1.10   7.18   0.00  14.26 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   81.0   7.0  83.0 2  22.52  34.13  36.48  34.88  14.17   1.51   1.67   7.62   0.00  24.73 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   69.0   7.0  71.0 2  23.78  35.28  37.93  36.12  16.80   1.61   1.79   9.02   0.00  26.00 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  11.15  17.04  18.88  17.63  12.20   0.90   1.00   6.53   0.00  12.69 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   44.0   4.0  46.0 2  23.62  33.90  37.18  34.95  24.48   1.85   2.05  12.92   0.00  25.98 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   28.0   2.0  28.0 2   6.01   9.83  11.09  10.23  10.19   0.64   0.71   5.11   0.00   7.48 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   19.0   2.0  19.0 2   7.65  11.69  13.27  12.19  10.93   0.67   0.75   5.76   0.00   9.18 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  10.06  15.56  17.28  16.11  11.50   0.83   0.92   6.12   0.00  11.85 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   77.0   8.0  77.0 2  16.62  25.89  27.84  26.51  11.88   1.20   1.33   6.34   0.00  18.74 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   73.0   7.0  73.0 2  19.59  29.71  31.97  30.43  13.96   1.37   1.51   7.51   0.00  22.81 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  11.61  17.63  19.54  18.24  12.64   0.92   1.02   6.78   0.00  13.53 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   52.0   5.0  52.0 2  22.79  33.08  36.05  34.02  19.96   1.62   1.79  10.65   0.00  26.16 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   36.0   1.0  35.0 2   8.12  13.41  15.15  13.96  12.81   0.74   0.82   5.62   0.00   9.89 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   0.0   8.0 2   5.08   8.04   9.29   8.43  10.18   0.55   0.61   5.13   0.00   6.44 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   5.85   9.17  10.52   9.60  10.23   0.58   0.65   5.25   0.00   7.21 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   6.02   9.39  10.76   9.83  10.28   0.59   0.65   5.29   0.00   7.38 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  13.31  20.59  22.49  21.20  12.20   1.02   1.12   6.53   0.00  15.58 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   7.69  11.55  13.20  12.07  11.27   0.67   0.74   5.98   0.00   9.17 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  21.14  31.13  33.84  31.99  17.89   1.49   1.65   9.59   0.00  24.08 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  18.01  24.89  28.17  25.94  24.48   1.51   1.68  12.92   0.00  20.29 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  19.21  26.44  29.94  27.56  27.47   1.68   1.88  14.39   0.00  21.68 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  17.18  23.26  26.67  24.35  26.24   1.53   1.72  13.79   0.00  19.40 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  20.33  27.27  31.31  28.56  34.08   1.95   2.19  17.58   0.00  23.03 .595 .214 .100 .026 .002 .002 .061 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2   9.90  14.20  16.30  14.87  13.85   0.80   0.89   7.45   0.00  11.40 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2  12.46  17.49  20.04  18.30  16.88   0.98   1.08   9.06   0.00  14.17 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  20.85  30.00  32.99  30.95  20.75   1.54   1.71  11.05   0.00  22.34 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  21.92  31.46  34.61  32.46  23.03   1.70   1.89  12.20   0.00  23.55 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2  18.11  25.43  28.56  26.42  22.22   1.41   1.56  11.80   0.00  19.58 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  14.38  21.42  23.63  22.12  14.68   1.10   1.22   7.90   0.00  15.61 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   1.0  23.0 2  21.68  30.21  33.95  31.40  30.20   1.87   2.08  15.72   0.00  23.62 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2   9.31  13.96  15.76  14.54  12.04   0.77   0.85   6.43   0.00  10.62 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   24.0   2.0  24.0 2  11.43  16.82  18.91  17.48  13.80   0.90   1.00   7.42   0.00  13.23 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  16.52  24.20  26.71  25.00  16.80   1.24   1.38   9.02   0.00  18.42 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   81.0   7.0  83.0 2  29.06  42.96  45.80  43.86  17.71   1.88   2.08   9.50   0.00  31.60 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   69.0   7.0  71.0 2  27.42  40.18  43.14  41.13  19.12   1.83   2.03  10.22   0.00  29.82 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  12.79  19.24  21.28  19.89  13.51   1.00   1.11   7.26   0.00  14.44 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   44.0   4.0  46.0 2  23.62  33.90  37.18  34.95  24.48   1.85   2.05  12.92   0.00  25.98 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   28.0   2.0  28.0 2   7.65  11.99  13.49  12.47  10.57   0.69   0.76   5.52   0.00   9.21 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   19.0   2.0  19.0 2   9.61  14.25  16.13  14.85  12.53   0.78   0.87   6.71   0.00  11.27 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  13.20  19.74  21.85  20.42  13.96   1.02   1.13   7.51   0.00  15.25 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   77.0   8.0  77.0 2  20.98  31.77  34.07  32.50  14.12   1.44   1.60   7.59   0.00  23.34 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   73.0   7.0  73.0 2  22.95  34.24  36.79  35.05  15.98   1.56   1.73   8.59   0.00  26.51 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  13.02  19.50  21.59  20.17  13.80   1.01   1.12   7.42   0.00  15.06 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1  6  27   52.0   5.0  52.0 2  22.79  33.08  36.05  34.02  19.96   1.62   1.79  10.65   0.00  26.16 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   36.0   1.0  35.0 2   5.90   9.91  11.12  10.29  11.12   0.68   0.75   5.20   0.00   7.61 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   0.0   8.0 2   6.08   9.31  10.74   9.76  10.42   0.58   0.64   5.41   0.00   7.41 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   6.71  10.28  11.77  10.75  10.59   0.62   0.68   5.54   0.00   8.12 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   6.71  10.28  11.77  10.75  10.59   0.62   0.68   5.54   0.00   8.12 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  14.49  22.18  24.20  22.82  12.97   1.08   1.20   6.96   0.00  16.86 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   8.97  13.20  15.07  13.80  12.42   0.74   0.82   6.65   0.00  10.56 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  21.14  31.13  33.84  31.99  17.89   1.49   1.65   9.59   0.00  24.08 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  21.68  29.66  33.61  30.92  33.10   2.00   2.23  17.11   0.00  24.52 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   16.0   8.0  16.0 2  22.27  30.42  34.49  31.71  34.33   2.06   2.31  17.69   0.00  25.19 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  18.86  25.41  29.15  26.60  30.62   1.76   1.98  15.92   0.00  21.35 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    7.0  11.0   7.0 2  20.33  27.27  31.31  28.56  34.08   1.95   2.19  17.58   0.00  23.03 .595 .214 .100 .026 .002 .002 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2  13.90  19.33  22.13  20.22  18.63   1.07   1.19   9.97   0.00  15.73 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   1.0   8.0 2  15.97  21.95  25.12  22.96  22.35   1.28   1.42  11.86   0.00  18.04 .571 .218 .102 .031 .002 .002 .074 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  24.51  34.96  38.51  36.09  28.21   2.06   2.29  14.75   0.00  26.44 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  25.81  36.72  40.47  37.91  30.62   2.22   2.47  15.92   0.00  27.87 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2  20.27  28.28  31.80  29.40  27.47   1.71   1.90  14.39   0.00  22.05 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   41.0   5.0  42.0 2  17.88  26.10  28.73  26.94  17.80   1.33   1.48   9.54   0.00  19.25 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   1.0  23.0 2  21.68  30.21  33.95  31.40  30.20   1.87   2.08  15.72   0.00  23.62 .667 .154 .072 .030 .002 .002 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   22.0   2.0  22.0 2  12.49  18.12  20.40  18.85  15.10   0.97   1.07   8.13   0.00  14.02 .644 .187 .088 .023 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   24.0   2.0  24.0 2  15.08  21.59  24.22  22.43  17.54   1.14   1.26   9.41   0.00  17.21 .584 .226 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  21.03  30.17  33.25  31.16  21.84   1.59   1.77  11.60   0.00  23.29 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   81.0   7.0  83.0 2  35.81  52.04  55.44  53.12  23.03   2.42   2.68  12.20   0.00  38.75 .683 .171 .080 .018 .002 .002 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   69.0   7.0  71.0 2  30.98  44.94  48.26  46.00  22.89   2.17   2.40  12.13   0.00  33.64 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   4.0  40.0 2  15.00  22.18  24.50  22.92  15.43   1.14   1.27   8.30   0.00  16.80 .641 .190 .089 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   44.0   4.0  46.0 2  23.62  33.90  37.18  34.95  24.48   1.85   2.05  12.92   0.00  25.98 .652 .181 .085 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   28.0   2.0  28.0 2  10.04  15.14  16.97  15.72  12.20   0.81   0.90   6.53   0.00  11.79 .570 .234 .109 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   19.0   2.0  19.0 2  11.65  16.90  19.10  17.60  14.56   0.91   1.01   7.83   0.00  13.47 .514 .241 .113 .037 .002 .003 .090 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  17.64  25.66  28.33  26.51  17.98   1.31   1.45   9.64   0.00  20.09 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   77.0   8.0  77.0 2  28.42  41.80  44.70  42.73  18.44   1.88   2.08   9.87   0.00  31.21 .637 .194 .091 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   73.0   7.0  73.0 2  27.51  40.41  43.34  41.34  18.83   1.84   2.03  10.07   0.00  31.55 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   39.0   3.0  39.0 2  14.79  21.86  24.17  22.60  15.36   1.12   1.25   8.26   0.00  16.98 .583 .227 .106 .024 .002 .002 .056 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   52.0   5.0  52.0 2  22.79  33.08  36.05  34.02  19.96   1.62   1.79  10.65   0.00  26.16 .626 .229 .107 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   36.0   1.0  35.0 2   6.00  10.04  11.26  10.43  10.28   0.67   0.74   5.08   0.00   7.60 .389 .222 .104 .083 .001 .002 .199 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27    8.0   0.0   8.0 2   7.51  11.14  12.82  11.68  11.42   0.65   0.72   6.07   0.00   8.88 .493 .225 .105 .051 .002 .002 .122 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   7.81  11.70  13.37  12.24  11.37   0.67   0.75   6.04   0.00   9.30 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2   7.81  11.70  13.37  12.24  11.37   0.67   0.75   6.04   0.00   9.30 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  15.84  23.99  26.15  24.68  13.91   1.16   1.28   7.48   0.00  18.32 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   13.0   1.0  13.0 2  11.23  16.12  18.36  16.83  14.80   0.89   0.98   7.96   0.00  13.03 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  27   57.0   2.0  57.0 2  21.14  31.13  33.84  31.99  17.89   1.49   1.65   9.59   0.00  24.08 .564 .238 .111 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  15.57  21.64  23.89  22.36  15.95   1.44   1.63   9.02   0.00  16.82 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  18.71  25.59  28.22  26.43  18.84   1.69   1.91  10.60   0.00  20.07 .648 .173 .081 .028 .002 .002 .066 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  19.23  26.18  28.95  27.06  21.60   1.85   2.08  12.06   0.00  20.74 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  24.54  33.00  36.59  34.15  32.35   2.70   3.03  17.58   0.00  26.65 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   5.75   8.29   9.57   8.70  10.27   0.64   0.71   5.69   0.00   6.89 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   6.51   9.23  10.62   9.67  10.94   0.69   0.77   6.14   0.00   7.70 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  11.40  15.94  17.81  16.53  13.55   1.11   1.27   7.68   0.00  12.65 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  13.76  18.87  21.05  19.56  15.95   1.31   1.49   9.02   0.00  15.13 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  14.36  19.74  21.99  20.45  16.49   1.35   1.54   9.32   0.00  15.79 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  10.28  14.53  16.26  15.08  12.48   1.02   1.17   7.06   0.00  11.46 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  21.10  28.22  31.46  29.25  28.67   2.29   2.59  15.72   0.00  23.20 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   4.95   7.31   8.45   7.68   9.78   0.59   0.67   5.31   0.00   5.89 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   15.0  14.0  23.0 2   7.77  10.98  12.51  11.47  11.65   0.81   0.92   6.57   0.00   9.06 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2   8.76  12.35  13.97  12.87  12.27   0.90   1.03   6.94   0.00   9.96 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   39.0  37.0  60.0 2  14.05  19.60  21.59  20.24  12.78   1.31   1.53   7.24   0.00  15.65 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   24.0  24.0  38.0 2  12.93  17.67  19.79  18.35  15.44   1.24   1.43   8.74   0.00  14.24 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2   8.18  11.63  13.17  12.12  11.68   0.86   0.97   6.59   0.00   9.34 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  19.0  31.0 2  16.49  21.90  24.65  22.77  23.24   1.70   1.95  12.92   0.00  18.07 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   13.0  10.0  19.0 2   4.12   6.41   7.38   6.72   9.88   0.60   0.67   5.08   0.00   5.18 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   14.0  23.0  22.0 2   6.02   8.78  10.03   9.18  10.13   0.71   0.81   5.59   0.00   7.40 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   12.0  11.0  18.0 2   6.25   9.02  10.34   9.44  10.47   0.68   0.77   5.83   0.00   7.48 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   25.0  24.0  37.0 2   7.66  11.12  12.53  11.57  10.55   0.83   0.96   5.88   0.00   8.92 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1  6  52   28.0  26.0  43.0 2  10.85  15.22  17.01  15.79  12.65   1.07   1.23   7.16   0.00  12.22 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   12.0  11.0  18.0 2   7.10  10.05  11.51  10.52  11.24   0.74   0.84   6.32   0.00   8.39 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  18.0  29.0 2  14.41  19.32  21.79  20.11  18.95   1.38   1.58  10.65   0.00  16.03 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0   9.0  23.0 2   6.48   9.91  11.47  10.40  12.87   0.70   0.79   5.83   0.00   8.16 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    3.0   2.0   5.0 2   3.72   5.70   6.64   6.00   9.82   0.53   0.59   5.07   0.00   4.89 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   4.69   7.20   8.25   7.54   9.67   0.63   0.72   5.12   0.00   5.69 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   5.13   7.75   8.86   8.10   9.70   0.65   0.73   5.23   0.00   6.15 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2   7.58  10.98  12.41  11.43  10.97   0.81   0.92   6.15   0.00   8.80 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   5.99   8.80  10.05   9.20  10.08   0.69   0.78   5.56   0.00   7.05 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2  13.27  18.08  20.33  18.80  17.15   1.27   1.45   9.68   0.00  14.93 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  20.61  27.97  30.85  28.89  22.39   1.99   2.25  12.48   0.00  22.15 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  22.49  30.38  33.55  31.39  26.25   2.31   2.61  14.48   0.00  24.25 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  20.65  28.01  31.00  28.96  24.75   2.10   2.36  13.71   0.00  22.35 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  24.54  33.00  36.59  34.15  32.35   2.70   3.03  17.58   0.00  26.65 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   8.48  11.64  13.37  12.19  13.20   0.84   0.94   7.48   0.00   9.82 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   9.65  13.06  14.99  13.68  14.71   0.93   1.05   8.33   0.00  11.09 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  17.28  23.23  25.88  24.07  20.14   1.64   1.87  11.29   0.00  18.86 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  18.38  24.61  27.44  25.51  22.81   1.84   2.10  12.70   0.00  20.11 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  17.53  23.67  26.34  24.52  20.49   1.67   1.89  11.48   0.00  19.16 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  13.20  18.17  20.29  18.85  15.37   1.26   1.44   8.70   0.00  14.54 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  21.10  28.22  31.46  29.25  28.67   2.29   2.59  15.72   0.00  23.20 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2   7.82  10.83  12.45  11.35  12.39   0.78    0.88    7.01    0.00    8.93 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   15.0  14.0  23.0 2   9.80  13.48  15.33  14.07  13.93   0.97    1.10    7.90    0.00   11.26 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2  12.51  17.00  19.17  17.69  16.57   1.22    1.39    9.36    0.00   13.97 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   39.0  37.0  60.0 2  20.56  27.63  30.32  28.49  17.78   1.82    2.12   10.02    0.00   22.53 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   24.0  24.0  38.0 2  15.12  20.38  22.79  21.15  17.78   1.42    1.64   10.02    0.00   16.56 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2   9.75  13.58  15.35  14.15  13.35   0.98    1.12    7.56    0.00   11.02 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  19.0  31.0 2  16.49  21.90  24.65  22.77  23.24   1.70    1.95   12.92    0.00   18.07 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   13.0  10.0  19.0 2   5.56   8.18   9.39   8.57   9.96   0.64    0.73    5.47    0.00    6.66 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   14.0  23.0  22.0 2   7.46  10.54  12.02  11.02  11.33   0.81    0.92    6.38    0.00    8.94 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   12.0  11.0  18.0 2   8.64  11.96  13.66  12.50  12.96   0.86    0.97    7.34    0.00   10.07 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   25.0  24.0  37.0 2  10.28  14.36  16.13  14.92  12.82   1.03    1.18    7.26    0.00   11.72 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   28.0  26.0  43.0 2  12.83  17.68  19.72  18.33  14.52   1.23    1.42    8.23    0.00   14.34 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   12.0  11.0  18.0 2   8.05  11.23  12.84  11.74  12.27   0.82    0.92    6.94    0.00    9.42 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  18.0  29.0 2  14.41  19.32  21.79  20.11  18.95   1.38    1.58   10.65    0.00   16.03 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0   9.0  23.0 2   4.26   6.66   7.65   6.97  10.92   0.64    0.72    5.29    0.00    5.81 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    3.0   2.0   5.0 2   4.24   6.33   7.37   6.66   9.66   0.54    0.60    5.16    0.00    5.41 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   5.43   8.11   9.27   8.48   9.80   0.66    0.75    5.33    0.00    6.46 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   5.59   8.31   9.49   8.69   9.86   0.67    0.75    5.39    0.00    6.63 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2   8.25  11.82  13.35  12.31  11.58   0.86    0.97    6.53    0.00    9.52 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   6.41   9.32  10.63   9.74  10.37   0.71    0.81    5.76    0.00    7.50 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2  13.27  18.08  20.33  18.80  17.15   1.27    1.45    9.68    0.00   14.93 .619 .220 .103 .016 .002 .002 .038 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  24.54  33.01  36.48  34.11  30.11   2.63   2.97  16.45   0.00  26.51 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   46.0  12.0  59.0 2  26.72  35.81  39.61  37.02  33.81   2.92   3.30  18.31   0.00  28.89 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  22.77  30.72  34.04  31.78  29.07   2.44   2.75  15.92   0.00  24.70 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   45.0   8.0  56.0 2  24.54  33.00  36.59  34.15  32.35   2.70   3.03  17.58   0.00  26.65 .648 .173 .081 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2  11.40  15.21  17.44  15.92  17.07   1.08   1.21   9.64   0.00  12.99 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2  12.56  16.63  19.05  17.40  18.64   1.17   1.32  10.49   0.00  14.25 .547 .241 .113 .028 .002 .003 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  19.94  26.59  29.67  27.57  26.43   2.11   2.41  14.57   0.00  21.88 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  22.00  29.19  32.60  30.27  30.76   2.43   2.77  16.77   0.00  24.17 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  19.46  26.13  29.10  27.07  25.07   2.02   2.29  13.88   0.00  21.36 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   30.0  19.0  43.0 2  16.05  21.73  24.22  22.52  18.35   1.50   1.71  10.33   0.00  17.54 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   34.0  14.0  46.0 2  21.10  28.22  31.46  29.25  28.67   2.29   2.59  15.72   0.00  23.20 .629 .193 .090 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    8.0   7.0  12.0 2  10.91  14.62  16.76  15.30  16.41   1.04   1.16   9.28   0.00  12.24 .618 .207 .097 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   15.0  14.0  23.0 2  13.19  17.68  20.04  18.43  18.15   1.26   1.43  10.22   0.00  14.96 .587 .241 .113 .016 .002 .003 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2  15.67  20.90  23.55  21.75  21.86   1.58   1.80  12.20   0.00  17.42 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   39.0  37.0  60.0 2  24.36  32.31  35.46  33.31  22.81   2.30   2.69  12.70   0.00  26.61 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   24.0  24.0  38.0 2  17.27  23.02  25.74  23.89  21.22   1.68   1.94  11.86   0.00  18.87 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  17.0  30.0 2  11.27  15.46  17.45  16.10  15.10   1.11   1.27   8.55   0.00  12.64 .624 .207 .097 .020 .002 .002 .048 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  19.0  31.0 2  16.49  21.90  24.65  22.77  23.24   1.70   1.95  12.92   0.00  18.07 .698 .180 .084 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   13.0  10.0  19.0 2   7.20  10.20  11.66  10.67  11.30   0.75   0.85   6.36   0.00   8.40 .577 .232 .109 .023 .002 .002 .055 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   14.0  23.0  22.0 2   8.94  12.35  14.06  12.90  12.91   0.92   1.06   7.31   0.00  10.54 .478 .281 .132 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1  6  52   12.0  11.0  18.0 2  11.32  15.25  17.38  15.93  16.33   1.08   1.22   9.23   0.00  12.99 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   25.0  24.0  37.0 2  13.28  18.08  20.25  18.77  15.95   1.28   1.47   9.02   0.00  14.94 .599 .229 .107 .018 .002 .002 .043 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   28.0  26.0  43.0 2  14.81  20.13  22.43  20.87  16.49   1.39   1.60   9.32   0.00  16.45 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   12.0  11.0  18.0 2   8.88  12.25  13.99  12.81  13.25   0.88   1.00   7.51   0.00  10.33 .558 .254 .119 .019 .002 .003 .045 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   19.0  18.0  29.0 2  14.41  19.32  21.79  20.11  18.95   1.38   1.58  10.65   0.00  16.03 .648 .207 .097 .013 .002 .002 .031 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0   9.0  23.0 2   4.22   6.60   7.58   6.91   9.99   0.61   0.69   5.09   0.00   5.68 .418 .241 .113 .066 .001 .003 .158 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52    3.0   2.0   5.0 2   4.88   7.11   8.27   7.48   9.87   0.56   0.63   5.40   0.00   6.07 .498 .261 .122 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   6.24   9.11  10.40   9.52  10.25   0.70   0.79   5.68   0.00   7.32 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   6.29   9.17  10.46   9.58  10.29   0.70   0.80   5.70   0.00   7.37 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2   8.87  12.59  14.21  13.11  12.19   0.91   1.03   6.89   0.00  10.18 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   16.0  13.0  24.0 2   6.73   9.72  11.09  10.16  10.64   0.73   0.83   5.94   0.00   7.85 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  52   23.0  13.0  34.0 2  13.27  18.08  20.33  18.80  17.15   1.27   1.45   9.68   0.00  14.93 .619 .220 .103 .016 .002 .002 .038 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  13.07  19.06  21.03  19.69  13.53   1.07   1.23   7.68   0.00  14.75 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  14.32  20.68  22.79  21.36  14.61   1.15   1.33   8.30   0.00  16.08 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  16.70  23.54  26.11  24.36  18.70   1.35   1.55  10.54   0.00  18.69 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  23.32  32.21  35.83  33.37  32.52   2.27   2.60  17.69   0.00  26.27 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   4.37   7.01   8.03   7.33  10.87   0.61   0.69   5.28   0.00   5.72 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   5.79   8.81  10.06   9.21   9.88   0.62   0.70   5.42   0.00   7.10 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2   9.18  13.83  15.35  14.32  10.66   0.85   0.98   5.97   0.00  10.42 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  11.26  16.52  18.29  17.08  12.17   0.98   1.13   6.89   0.00  12.61 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  12.16  17.35  19.39  18.00  14.68   1.07   1.23   8.33   0.00  13.57 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2   7.93  12.22  13.59  12.65   9.99   0.78   0.90   5.50   0.00   9.11 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  20.32  27.87  31.13  28.90  28.61   2.02   2.32  15.72   0.00  22.54 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  23.0 2   6.00   9.58  10.96  10.02  11.77   0.68   0.77   5.52   0.00   7.28 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  24.0 2   5.22   8.29   9.40   8.65   9.64   0.63   0.71   5.13   0.00   6.55 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   7.86  11.97  13.37  12.42  10.26   0.77   0.89   5.70   0.00   9.19 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   33.0  33.0  54.0 2  11.57  17.47  19.11  17.99  10.66   1.00   1.16   5.97   0.00  12.91 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   26.0  28.0  43.0 2  15.14  21.66  23.82  22.35  14.68   1.25   1.44   8.33   0.00  17.11 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   7.28  11.22  12.54  11.64   9.96   0.74   0.85   5.48   0.00   8.57 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  20.0  20.0 2  16.54  22.52  25.37  23.43  23.19   1.62   1.84  12.92   0.00  18.55 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   13.0  11.0  21.0 2   5.87   9.35  10.72   9.79  11.77   0.66   0.74   5.52   0.00   7.34 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  15.0  25.0 2   5.27   8.39   9.51   8.75   9.64   0.64   0.72   5.13   0.00   6.79 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   6.07   9.72  10.89  10.10   9.64   0.71   0.81   5.13   0.00   7.31 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   32.0  30.0  52.0 2   9.30  14.47  15.90  14.93   9.88   0.88   1.02   5.42   0.00  10.82 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  22.0  37.0 2  10.86  15.93  17.68  16.49  12.17   0.96   1.10   6.89   0.00  12.94 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   7.49  11.55  12.89  11.98   9.97   0.76   0.87   5.49   0.00   8.77 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   19.0  19.0  32.0 2  16.89  23.53  26.14  24.36  19.01   1.42   1.62  10.71   0.00  19.62 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0   9.0  25.0 2   8.33  13.19  15.14  13.81  14.02   0.75   0.84   6.17   0.00  10.11 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    4.0   2.0   6.0 2   3.94   6.23   7.23   6.55   9.85   0.54   0.60   5.08   0.00   5.23 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   4.96   8.11   9.16   8.44   9.76   0.64   0.73   5.07   0.00   6.58 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.65   9.00  10.15   9.37   9.64   0.65   0.74   5.16   0.00   7.30 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2   9.72  14.88  16.42  15.37  10.66   0.84   0.97   5.97   0.00  11.80 .458 .288 .135 .034 .002 .003 .080 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   6.60  10.22  11.50  10.63   9.90   0.69   0.78   5.44   0.00   8.29 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2  18.42  26.28  28.81  27.09  17.65   1.40   1.61   9.97   0.00  21.30 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  13.26  19.30  21.29  19.94  13.69   1.08   1.25   7.77   0.00  14.95 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  14.75  21.24  23.41  21.93  15.00   1.19   1.36   8.51   0.00  16.54 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  17.16  24.09  26.71  24.93  19.12   1.38   1.58  10.76   0.00  19.16 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  23.32  32.21  35.83  33.37  32.52   2.27   2.60  17.69   0.00  26.27 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   4.37   7.01   8.03   7.33  10.28   0.59   0.67   5.14   0.00   5.69 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   6.09   9.20  10.50   9.61  10.05   0.64   0.72   5.55   0.00   7.41 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2   9.59  14.36  15.92  14.85  10.92   0.87   1.01   6.14   0.00  10.84 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  11.71  17.10  18.92  17.68  12.53   1.01   1.17   7.11   0.00  13.09 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  12.28  17.51  19.56  18.16  14.80   1.08   1.24   8.40   0.00  13.70 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2   8.90  13.47  14.96  13.95  10.49   0.83   0.96   5.86   0.00  10.13 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  20.32  27.87  31.13  28.90  28.61   2.02   2.32  15.72   0.00  22.54 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  23.0 2   4.77   7.72   8.78   8.06  10.92   0.65   0.74   5.29   0.00   5.91 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  24.0 2   6.23   9.59  10.85   9.99   9.87   0.66   0.75   5.41   0.00   7.62 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   8.11  12.28  13.72  12.74  10.41   0.79   0.90   5.80   0.00   9.45 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   33.0  33.0  54.0 2  11.84  17.83  19.49  18.36  10.80   1.01   1.18   6.06   0.00  13.20 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   26.0  28.0  43.0 2  15.29  21.85  24.03  22.55  14.80   1.26   1.46   8.40   0.00  17.27 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   7.95  12.09  13.50  12.54  10.32   0.78   0.89   5.74   0.00   9.29 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  20.0  20.0 2  16.54  22.52  25.37  23.43  23.19   1.62   1.84  12.92   0.00  18.55 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1  6  36   13.0  11.0  21.0 2   5.53   8.83  10.11   9.24  11.50   0.65   0.73   5.45   0.00   6.95 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  15.0  25.0 2   5.40   8.55   9.69   8.91   9.64   0.64   0.73   5.15   0.00   6.92 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   6.39  10.13  11.34  10.52   9.65   0.71   0.82   5.18   0.00   7.63 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   32.0  30.0  52.0 2   9.51  14.74  16.19  15.20   9.95   0.89   1.03   5.47   0.00  11.03 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  22.0  37.0 2  10.90  15.99  17.75  16.55  12.21   0.96   1.11   6.92   0.00  12.99 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   8.03  12.26  13.67  12.71  10.25   0.78   0.90   5.69   0.00   9.34 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   19.0  19.0  32.0 2  16.89  23.53  26.14  24.36  19.01   1.42   1.62  10.71   0.00  19.62 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0   9.0  25.0 2   8.28  13.12  15.06  13.74  13.97   0.75   0.84   6.15   0.00  10.06 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    4.0   2.0   6.0 2   3.94   6.23   7.23   6.55   9.85   0.54   0.60   5.08   0.00   5.23 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.03   8.19   9.26   8.53   9.73   0.64   0.73   5.08   0.00   6.65 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.67   9.02  10.18   9.39   9.65   0.65   0.74   5.17   0.00   7.32 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2   9.75  14.93  16.48  15.42  10.68   0.84   0.97   5.98   0.00  11.84 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   6.64  10.28  11.57  10.69   9.93   0.69   0.78   5.46   0.00   8.34 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2  18.53  26.42  28.96  27.23  17.74   1.41   1.62  10.02   0.00  21.42 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  13.70  19.88  21.92  20.54  14.07   1.11   1.28   7.99   0.00  15.43 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  15.52  22.25  24.50  22.97  15.69   1.24   1.43   8.90   0.00  17.36 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  17.43  24.44  27.11  25.29  19.76   1.43   1.63  11.11   0.00  19.47 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  23.32  32.21  35.83  33.37  32.52   2.27   2.60  17.69   0.00  26.27 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   4.44   7.10   8.13   7.43   9.73   0.58   0.66   5.08   0.00   5.73 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   6.37   9.55  10.90   9.98  10.23   0.65   0.74   5.68   0.00   7.70 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  10.27  15.23  16.88  15.76  11.40   0.92   1.06   6.43   0.00  11.56 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  12.36  17.93  19.83  18.54  13.08   1.06   1.22   7.42   0.00  13.77 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  12.59  17.91  20.00  18.57  15.13   1.11   1.27   8.59   0.00  14.03 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2   9.51  14.26  15.82  14.75  10.87   0.87   1.00   6.10   0.00  10.77 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  20.32  27.87  31.13  28.90  28.61   2.02   2.32  15.72   0.00  22.54 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  23.0 2   4.69   7.59   8.63   7.92  10.02   0.62   0.71   5.09   0.00   5.78 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  24.0 2   6.63  10.10  11.42  10.52  10.08   0.68   0.78   5.57   0.00   8.04 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   8.59  12.91  14.40  13.38  10.73   0.81   0.93   6.01   0.00   9.96 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   33.0  33.0  54.0 2  12.47  18.64  20.36  19.19  11.14   1.05   1.22   6.27   0.00  13.85 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   26.0  28.0  43.0 2  15.37  21.95  24.14  22.65  14.87   1.26   1.46   8.44   0.00  17.35 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   8.46  12.73  14.21  13.20  10.64   0.81   0.93   5.95   0.00   9.82 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  20.0  20.0 2  16.54  22.52  25.37  23.43  23.19   1.62   1.84  12.92   0.00  18.55 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   13.0  11.0  21.0 2   4.62   7.47   8.51   7.80  10.90   0.63   0.71   5.29   0.00   5.93 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  15.0  25.0 2   5.61   8.82   9.98   9.19   9.66   0.65   0.73   5.20   0.00   7.14 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   6.89  10.79  12.06  11.19   9.75   0.73   0.84   5.31   0.00   8.16 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   32.0  30.0  52.0 2   9.68  14.96  16.43  15.43  10.01   0.90   1.04   5.52   0.00  11.22 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  22.0  37.0 2  10.95  16.05  17.82  16.61  12.25   0.97   1.11   6.94   0.00  13.04 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   8.50  12.86  14.33  13.33  10.53   0.81   0.93   5.88   0.00   9.84 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   19.0  19.0  32.0 2  16.79  23.40  25.99  24.22  18.91   1.41   1.61  10.65   0.00  19.51 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0   9.0  25.0 2   8.10  12.85  14.74  13.45  13.74   0.74   0.83   6.09   0.00   9.86 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    4.0   2.0   6.0 2   3.94   6.23   7.23   6.55   9.85   0.54   0.60   5.08   0.00   5.23 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.09   8.28   9.35   8.62   9.71   0.64   0.73   5.08   0.00   6.72 .458 .288 .135 .034 .002 .003 .080 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.71   9.07  10.24   9.45   9.65   0.65   0.74   5.17   0.00   7.36 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2   9.83  15.03  16.58  15.53  10.73   0.85   0.97   6.01   0.00  11.92 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   6.69  10.34  11.64  10.76   9.95   0.69   0.78   5.47   0.00   8.40 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2  18.53  26.42  28.96  27.23  17.74   1.41   1.62  10.02   0.00  21.42 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  14.25  20.59  22.69  21.26  14.55   1.15   1.32   8.26   0.00  16.00 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   21.0  17.0  43.0 2  16.53  23.57  25.94  24.33  16.62   1.31   1.51   9.41   0.00  18.45 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  17.71  24.82  27.52  25.68  20.45   1.47   1.69  11.48   0.00  19.80 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   16.0  12.0  35.0 2  23.32  32.21  35.83  33.37  32.52   2.27   2.60  17.69   0.00  26.27 .589 .213 .100 .028 .002 .002 .066 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   5.19   8.05   9.20   8.42   9.67   0.60   0.68   5.21   0.00   6.48 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    9.0  10.0  16.0 2   7.13  10.51  11.97  10.98  10.82   0.70   0.79   6.07   0.00   8.50 .517 .241 .113 .037 .002 .003 .087 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  11.51  16.84  18.64  17.41  12.37   1.00   1.15   7.01   0.00  12.87 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  13.70  19.66  21.73  20.32  14.25   1.15   1.33   8.09   0.00  15.19 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  13.05  18.50  20.65  19.18  15.62   1.14   1.31   8.86   0.00  14.52 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  25.0  39.0 2  10.10  15.02  16.65  15.54  11.28   0.90   1.04   6.36   0.00  11.39 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  19.0  29.0 2  20.32  27.87  31.13  28.90  28.61   2.02   2.32  15.72   0.00  22.54 .648 .187 .087 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  23.0 2   5.08   8.09   9.18   8.44   9.65   0.63   0.71   5.11   0.00   6.16 .618 .200 .094 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   14.0  14.0  24.0 2   7.09  10.70  12.08  11.14  10.37   0.71   0.80   5.78   0.00   8.54 .547 .248 .116 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   20.0  21.0  34.0 2   9.34  13.87  15.46  14.38  11.28   0.86   0.99   6.36   0.00  10.77 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   33.0  33.0  54.0 2  13.43  19.88  21.70  20.46  11.69   1.11   1.29   6.61   0.00  14.84 .658 .180 .084 .022 .002 .002 .052 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   26.0  28.0  43.0 2  15.52  22.15  24.35  22.85  15.00   1.27   1.47   8.51   0.00  17.52 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1  6  36   20.0  21.0  34.0 2   8.94  13.35  14.89  13.84  10.97   0.84   0.96   6.17   0.00  10.34 .630 .210 .098 .017 .002 .002 .041 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  20.0  20.0 2  16.54  22.52  25.37  23.43  23.19   1.62   1.84  12.92   0.00  18.55 .658 .207 .097 .010 .002 .002 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   13.0  11.0  21.0 2   4.58   7.40   8.43   7.73  10.28   0.61   0.69   5.14   0.00   5.85 .549 .233 .109 .031 .002 .003 .073 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0  15.0  25.0 2   5.97   9.28  10.50   9.67   9.75   0.66   0.75   5.30   0.00   7.52 .477 .275 .129 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   7.51  11.59  12.93  12.02   9.99   0.76   0.87   5.50   0.00   8.80 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   32.0  30.0  52.0 2  10.20  15.63  17.15  16.11  10.21   0.92   1.07   5.67   0.00  11.75 .609 .212 .099 .022 .002 .002 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  22.0  37.0 2  11.05  16.18  17.95  16.74  12.33   0.97   1.12   6.99   0.00  13.15 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   22.0  21.0  36.0 2   8.98  13.48  15.01  13.97  10.85   0.84   0.96   6.09   0.00  10.34 .608 .207 .097 .025 .002 .002 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   19.0  19.0  32.0 2  16.79  23.40  25.99  24.22  18.91   1.41   1.61  10.65   0.00  19.51 .568 .268 .125 .010 .002 .003 .024 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   15.0   9.0  25.0 2   7.52  11.96  13.71  12.52  13.08   0.71   0.81   5.90   0.00   9.23 .440 .220 .103 .069 .001 .002 .165 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36    4.0   2.0   6.0 2   3.94   6.23   7.23   6.55   9.84   0.54   0.60   5.07   0.00   5.23 .487 .241 .113 .045 .002 .003 .109 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.20   8.41   9.50   8.76   9.68   0.64   0.73   5.09   0.00   6.82 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   5.77   9.15  10.32   9.52   9.66   0.65   0.74   5.19   0.00   7.42 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2   9.91  15.13  16.69  15.63  10.77   0.85   0.98   6.04   0.00  12.00 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   18.0  12.0  29.0 2   6.74  10.41  11.71  10.82   9.97   0.69   0.79   5.49   0.00   8.45 .458 .288 .135 .034 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1  6  36   23.0  13.0  48.0 2  18.53  26.42  28.96  27.23  17.74   1.41   1.62  10.02   0.00  21.42 .458 .288 .135 .034 .002 .003 .080 .000
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1          PROMPT                       # No prompting, vertical format
1          TAMFLG                       # Use MOBILE 5 tampering rates
1          SPDFLG                       # Use one speed for all vehicle types
2          VMFLAG                       # Each scenario has its own VMT mix
3          MYMRFG                       # Use local registration distribution
1          NEWFLG                       # Use MOBILE 5 BER's
6          IMFLAG                       # Use one I/M programs
1          ALHFLG                       # No additional correction factors
2          ATPFLG                       # Anti-tampering, no press/purge check
1          RLFLAG                       # Uncontrolled refueling emission rates
2          LOCFLG                       # Only one LAP record
2          TEMFLG                       # MOBILE 5 uses max and min temp.
2          OUTFMT                       # 80 column descriptive format
2          PRTFLG                       # Calculate CO only
1          IDLFLG                       # No idle emissions
3          NMHFLG                       # VOC emission factors
1          HCFLAG                       # No component emission factor output
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDGV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT1
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT2
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .066 .062 .049 .050 .052 .084 .096 .069 .064 .042  # Colorado HDGV
 .052 .054 .044 .030 .026 .025 .027 .027 .027 .018  # registration distribution
 .014 .011 .007 .004 .000
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDDV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDDT
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .110 .095 .116 .113 .080 .102 .079 .062 .037 .050  # Colorado HDDV
 .048 .055 .044 .001 .001 .001 .001 .001 .001 .001  # registration distribution
 .001 .001 .000 .000 .000
 .001 .001 .001 .001 .001 .001 .001 .001 .001 .001  # Colorado MC
 .001 .989 .000 .000 .000 .000 .000 .000 .000 .000  # registration distribution
 .000 .000 .000 .000 .000
2 1 2 1
82 20 82 09 00 00 098 1 2 2221 4222   .6 10.0  1.5
82 20 82 09 00 00 098 1 2 1112 2222 220.  1.2 999.
TECH12RSD80.D
IMDATRSD80.D
82 75 09 2222 12 098. 22111112
                 C  26.  52. 12.4 12.4 92 2
.001 .999 .027 .017 2
2 13 19.8 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  1 CBD      PRINCIPAL ARTERIAL
2 13 18.7 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  1 CBD      MINOR ARTERIAL
2 13 15.9 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  1 CBD      COLLECTOR
2 13 11.2 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  1 CBD      LOCAL
2 13 35.9 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  1 FRINGE   FREEWAY
2 13 29.5 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  1 FRINGE   MAJOR REGIONAL
2 13 25.8 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   PRINCIPAL ARTERIAL
2 13 23.0 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   MINOR ARTERIAL
2 13 19.5 27.0 22.0  2.0 22.0
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   COLLECTOR
2 13 28.6 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   RAMP
2 13 14.1 27.0 22.0  1.0 23.0
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   LOCAL
2 13 40.4 27.0 22.0  2.0 22.0
.629.192.089.025.002.003.060.000   13 AM  1 URBAN    FREEWAY
2 13 33.1 27.0 24.0  2.0 24.0
.569.231.106.026.002.004.062.000   13 AM  1 URBAN    MAJOR REGIONAL
2 13 30.2 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  1 URBAN    PRINCIPAL ARTERIAL
2 13 28.4 27.0 81.0  7.0 83.0
.668.176.081.020.002.003.050.000   13 AM  1 URBAN    MINOR ARTERIAL
2 13 23.0 27.0 69.0  7.0 71.0
.637.186.086.025.002.003.061.000   13 AM  1 URBAN    COLLECTOR
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2 13 31.9 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  1 URBAN    RAMP
2 13 17.1 27.0 44.0  4.0 46.0
.637.186.086.025.002.003.061.000   13 AM  1 URBAN    LOCAL
2 13 46.2 27.0 28.0  2.0 28.0
.555.239.110.026.002.004.064.000   13 AM  1 SUBURBAN FREEWAY
2 13 35.4 27.0 19.0  2.0 19.0
.498.247.114.039.002.004.096.000   13 AM  1 SUBURBAN MAJOR REGIONAL
2 13 36.4 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  1 SUBURBAN PRINCIPAL ARTERIAL
2 13 32.8 27.0 77.0  8.0 77.0
.622.199.092.024.002.003.058.000   13 AM  1 SUBURBAN MINOR ARTERIAL
2 13 27.9 27.0 73.0  7.0 73.0
.610.234.108.012.002.004.030.000   13 AM  1 SUBURBAN COLLECTOR
2 13 29.5 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  1 SUBURBAN RAMP
2 13 19.8 27.0 52.0  5.0 52.0
.610.234.108.012.002.004.030.000   13 AM  1 SUBURBAN LOCAL
2 13 60.2 27.0 36.0  1.0 35.0
.373.227.105.085.001.004.205.000   13 AM  1 RURAL    FREEWAY
2 13 46.6 27.0  8.0  0.0  8.0
.477.230.106.053.002.004.128.000   13 AM  1 RURAL    MAJOR REGIONAL
2 13 42.5 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    PRINCIPAL ARTERIAL
2 13 43.1 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    MINOR ARTERIAL
2 13 32.2 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    COLLECTOR
2 13 35.5 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    RAMP
2 13 21.5 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    LOCAL
2 13 15.5 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  2 CBD      PRINCIPAL ARTERIAL
2 13 14.1 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  2 CBD      MINOR ARTERIAL
2 13 13.5 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  2 CBD      COLLECTOR
2 13 11.2 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  2 CBD      LOCAL
2 13 29.4 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  2 FRINGE   FREEWAY
2 13 22.7 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  2 FRINGE   MAJOR REGIONAL
2 13 19.9 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   PRINCIPAL ARTERIAL
2 13 18.3 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   MINOR ARTERIAL
2 13 15.8 27.0 22.0  2.0 22.0
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   COLLECTOR
2 13 24.5 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   RAMP
2 13 14.1 27.0 22.0  1.0 23.0
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   LOCAL
2 13 34.0 27.0 22.0  2.0 22.0
.629.192.089.025.002.003.060.000   13 AM  2 URBAN    FREEWAY
2 13 27.0 27.0 24.0  2.0 24.0
.569.231.106.026.002.004.062.000   13 AM  2 URBAN    MAJOR REGIONAL
2 13 25.3 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  2 URBAN    PRINCIPAL ARTERIAL
2 13 22.9 27.0 81.0  7.0 83.0
.668.176.081.020.002.003.050.000   13 AM  2 URBAN    MINOR ARTERIAL
2 13 20.6 27.0 69.0  7.0 71.0
.637.186.086.025.002.003.061.000   13 AM  2 URBAN    COLLECTOR
2 13 28.6 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  2 URBAN    RAMP
2 13 17.1 27.0 44.0  4.0 46.0
.637.186.086.025.002.003.061.000   13 AM  2 URBAN    LOCAL
2 13 39.6 27.0 28.0  2.0 28.0
.555.239.110.026.002.004.064.000   13 AM  2 SUBURBAN FREEWAY
2 13 28.5 27.0 19.0  2.0 19.0
.498.247.114.039.002.004.096.000   13 AM  2 SUBURBAN MAJOR REGIONAL
2 13 29.9 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  2 SUBURBAN PRINCIPAL ARTERIAL
2 13 26.6 27.0 77.0  8.0 77.0
.622.199.092.024.002.003.058.000   13 AM  2 SUBURBAN MINOR ARTERIAL
2 13 24.4 27.0 73.0  7.0 73.0
.610.234.108.012.002.004.030.000   13 AM  2 SUBURBAN COLLECTOR
2 13 26.2 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  2 SUBURBAN RAMP
2 13 19.8 27.0 52.0  5.0 52.0
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.610.234.108.012.002.004.030.000   13 AM  2 SUBURBAN LOCAL
2 13 56.8 27.0 36.0  1.0 35.0
.373.227.105.085.001.004.205.000   13 AM  2 RURAL    FREEWAY
2 13 41.0 27.0  8.0  0.0  8.0
.477.230.106.053.002.004.128.000   13 AM  2 RURAL    MAJOR REGIONAL
2 13 38.4 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    PRINCIPAL ARTERIAL
2 13 41.7 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    MINOR ARTERIAL
2 13 30.8 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    COLLECTOR
2 13 31.8 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    RAMP
2 13 21.5 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    LOCAL
2 13 11.3 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  3 CBD      PRINCIPAL ARTERIAL
2 13 10.6 27.0 16.0  8.0 16.0
.580.219.101.028.002.003.067.000   13 AM  3 CBD      MINOR ARTERIAL
2 13 11.1 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  3 CBD      COLLECTOR
2 13 11.2 27.0  7.0 11.0  7.0
.580.219.101.028.002.003.067.000   13 AM  3 CBD      LOCAL
2 13 23.3 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  3 FRINGE   FREEWAY
2 13 16.5 27.0  8.0  1.0  8.0
.556.223.103.033.002.003.080.000   13 AM  3 FRINGE   MAJOR REGIONAL
2 13 15.0 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   PRINCIPAL ARTERIAL
2 13 14.5 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   MINOR ARTERIAL
2 13 12.9 27.0 22.0  2.0 22.0
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   COLLECTOR
2 13 20.7 27.0 41.0  5.0 42.0
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   RAMP
2 13 14.1 27.0 22.0  1.0 23.0
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   LOCAL
2 13 27.6 27.0 22.0  2.0 22.0
.629.192.089.025.002.003.060.000   13 AM  3 URBAN    FREEWAY
2 13 21.2 27.0 24.0  2.0 24.0
.569.231.106.026.002.004.062.000   13 AM  3 URBAN    MAJOR REGIONAL
2 13 20.7 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  3 URBAN    PRINCIPAL ARTERIAL
2 13 18.8 27.0 81.0  7.0 83.0
.668.176.081.020.002.003.050.000   13 AM  3 URBAN    MINOR ARTERIAL
2 13 17.9 27.0 69.0  7.0 71.0
.637.186.086.025.002.003.061.000   13 AM  3 URBAN    COLLECTOR
2 13 25.5 27.0 39.0  4.0 40.0
.626.195.090.025.002.003.059.000   13 AM  3 URBAN    RAMP
2 13 17.1 27.0 44.0  4.0 46.0
.637.186.086.025.002.003.061.000   13 AM  3 URBAN    LOCAL
2 13 31.7 27.0 28.0  2.0 28.0
.555.239.110.026.002.004.064.000   13 AM  3 SUBURBAN FREEWAY
2 13 22.9 27.0 19.0  2.0 19.0
.498.247.114.039.002.004.096.000   13 AM  3 SUBURBAN MAJOR REGIONAL
2 13 24.2 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  3 SUBURBAN PRINCIPAL ARTERIAL
2 13 21.2 27.0 77.0  8.0 77.0
.622.199.092.024.002.003.058.000   13 AM  3 SUBURBAN MINOR ARTERIAL
2 13 21.3 27.0 73.0  7.0 73.0
.610.234.108.012.002.004.030.000   13 AM  3 SUBURBAN COLLECTOR
2 13 23.6 27.0 39.0  3.0 39.0
.567.232.107.026.002.004.062.000   13 AM  3 SUBURBAN RAMP
2 13 19.8 27.0 52.0  5.0 52.0
.610.234.108.012.002.004.030.000   13 AM  3 SUBURBAN LOCAL
2 13 51.6 27.0 36.0  1.0 35.0
.373.227.105.085.001.004.205.000   13 AM  3 RURAL    FREEWAY
2 13 35.4 27.0  8.0  0.0  8.0
.477.230.106.053.002.004.128.000   13 AM  3 RURAL    MAJOR REGIONAL
2 13 33.9 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    PRINCIPAL ARTERIAL
2 13 38.5 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    MINOR ARTERIAL
2 13 29.4 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    COLLECTOR
2 13 29.3 27.0 13.0  1.0 13.0
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    RAMP
2 13 21.5 27.0 57.0  2.0 57.0
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    LOCAL
2 13 22.4 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  4 CBD      PRINCIPAL ARTERIAL
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2 13 19.3 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  4 CBD      MINOR ARTERIAL
2 13 16.4 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  4 CBD      COLLECTOR
2 13 11.2 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  4 CBD      LOCAL
2 13 36.7 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  4 FRINGE   FREEWAY
2 13 31.6 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  4 FRINGE   MAJOR REGIONAL
2 13 27.0 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   PRINCIPAL ARTERIAL
2 13 23.8 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   MINOR ARTERIAL
2 13 20.8 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   COLLECTOR
2 13 27.4 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   RAMP
2 13 14.1 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   LOCAL
2 13 41.7 52.0  8.0  7.0 12.0
.603.212.098.024.002.003.058.000   13 PM  4 URBAN    FREEWAY
2 13 35.5 52.0 15.0 14.0 23.0
.573.246.113.018.002.004.044.000   13 PM  4 URBAN    MAJOR REGIONAL
2 13 31.0 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  4 URBAN    PRINCIPAL ARTERIAL
2 13 29.1 52.0 39.0 37.0 60.0
.633.212.098.015.002.003.037.000   13 PM  4 URBAN    MINOR ARTERIAL
2 13 23.8 52.0 24.0 24.0 38.0
.683.185.085.012.002.003.030.000   13 PM  4 URBAN    COLLECTOR
2 13 31.3 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  4 URBAN    RAMP
2 13 17.1 52.0 19.0 19.0 31.0
.683.185.085.012.002.003.030.000   13 PM  4 URBAN    LOCAL
2 13 50.5 52.0 13.0 10.0 19.0
.562.237.109.025.002.004.061.000   13 PM  4 SUBURBAN FREEWAY
2 13 39.1 52.0 14.0 23.0 22.0
.462.287.132.033.002.005.079.000   13 PM  4 SUBURBAN MAJOR REGIONAL
2 13 38.1 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  4 SUBURBAN PRINCIPAL ARTERIAL
2 13 35.9 52.0 25.0 24.0 37.0
.583.234.108.020.002.004.049.000   13 PM  4 SUBURBAN MINOR ARTERIAL
2 13 28.9 52.0 28.0 26.0 43.0
.633.212.098.015.002.003.037.000   13 PM  4 SUBURBAN COLLECTOR
2 13 31.9 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  4 SUBURBAN RAMP
2 13 19.8 52.0 19.0 18.0 29.0
.633.212.098.015.002.003.037.000   13 PM  4 SUBURBAN LOCAL
2 13 61.5 52.0 16.0  9.0 23.0
.404.246.113.068.001.004.164.000   13 PM  4 RURAL    FREEWAY
2 13 48.4 52.0  3.0  2.0  5.0
.483.266.123.036.002.004.086.000   13 PM  4 RURAL    MAJOR REGIONAL
2 13 45.2 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    PRINCIPAL ARTERIAL
2 13 43.5 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    MINOR ARTERIAL
2 13 33.9 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    COLLECTOR
2 13 37.6 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    RAMP
2 13 21.3 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    LOCAL
2 13 15.5 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  5 CBD      PRINCIPAL ARTERIAL
2 13 13.5 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  5 CBD      MINOR ARTERIAL
2 13 13.1 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  5 CBD      COLLECTOR
2 13 11.2 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  5 CBD      LOCAL
2 13 28.3 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  5 FRINGE   FREEWAY
2 13 25.0 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  5 FRINGE   MAJOR REGIONAL
2 13 19.6 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   PRINCIPAL ARTERIAL
2 13 17.8 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   MINOR ARTERIAL
2 13 17.7 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   COLLECTOR
2 13 23.0 52.0 30.0 19.0 43.0
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.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   RAMP
2 13 14.1 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   LOCAL
2 13 31.7 52.0  8.0  7.0 12.0
.603.212.098.024.002.003.058.000   13 PM  5 URBAN    FREEWAY
2 13 26.0 52.0 15.0 14.0 23.0
.573.246.113.018.002.004.044.000   13 PM  5 URBAN    MAJOR REGIONAL
2 13 24.3 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  5 URBAN    PRINCIPAL ARTERIAL
2 13 22.6 52.0 39.0 37.0 60.0
.633.212.098.015.002.003.037.000   13 PM  5 URBAN    MINOR ARTERIAL
2 13 21.2 52.0 24.0 24.0 38.0
.683.185.085.012.002.003.030.000   13 PM  5 URBAN    COLLECTOR
2 13 27.5 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  5 URBAN    RAMP
2 13 17.1 52.0 19.0 19.0 31.0
.683.185.085.012.002.003.030.000   13 PM  5 URBAN    LOCAL
2 13 41.7 52.0 13.0 10.0 19.0
.562.237.109.025.002.004.061.000   13 PM  5 SUBURBAN FREEWAY
2 13 30.8 52.0 14.0 23.0 22.0
.462.287.132.033.002.005.079.000   13 PM  5 SUBURBAN MAJOR REGIONAL
2 13 31.1 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  5 SUBURBAN PRINCIPAL ARTERIAL
2 13 29.9 52.0 25.0 24.0 37.0
.583.234.108.020.002.004.049.000   13 PM  5 SUBURBAN MINOR ARTERIAL
2 13 26.1 52.0 28.0 26.0 43.0
.633.212.098.015.002.003.037.000   13 PM  5 SUBURBAN COLLECTOR
2 13 27.7 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  5 SUBURBAN RAMP
2 13 19.8 52.0 19.0 18.0 29.0
.633.212.098.015.002.003.037.000   13 PM  5 SUBURBAN LOCAL
2 13 58.5 52.0 16.0  9.0 23.0
.404.246.113.068.001.004.164.000   13 PM  5 RURAL    FREEWAY
2 13 44.5 52.0  3.0  2.0  5.0
.483.266.123.036.002.004.086.000   13 PM  5 RURAL    MAJOR REGIONAL
2 13 40.8 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    PRINCIPAL ARTERIAL
2 13 42.7 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    MINOR ARTERIAL
2 13 32.8 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    COLLECTOR
2 13 35.4 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    RAMP
2 13 21.3 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    LOCAL
2 13 11.6 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  6 CBD      PRINCIPAL ARTERIAL
2 13  9.7 52.0 46.0 12.0 59.0
.633.178.082.030.002.003.072.000   13 PM  6 CBD      MINOR ARTERIAL
2 13 10.4 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  6 CBD      COLLECTOR
2 13 11.2 52.0 45.0  8.0 56.0
.633.178.082.030.002.003.072.000   13 PM  6 CBD      LOCAL
2 13 22.6 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  6 FRINGE   FREEWAY
2 13 19.5 52.0  8.0  7.0 12.0
.533.246.113.030.002.004.072.000   13 PM  6 FRINGE   MAJOR REGIONAL
2 13 15.1 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   PRINCIPAL ARTERIAL
2 13 13.6 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   MINOR ARTERIAL
2 13 14.1 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   COLLECTOR
2 13 19.5 52.0 30.0 19.0 43.0
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   RAMP
2 13 14.1 52.0 34.0 14.0 46.0
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   LOCAL
2 13 25.2 52.0  8.0  7.0 12.0
.603.212.098.024.002.003.058.000   13 PM  6 URBAN    FREEWAY
2 13 20.7 52.0 15.0 14.0 23.0
.573.246.113.018.002.004.044.000   13 PM  6 URBAN    MAJOR REGIONAL
2 13 19.4 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  6 URBAN    PRINCIPAL ARTERIAL
2 13 17.5 52.0 39.0 37.0 60.0
.633.212.098.015.002.003.037.000   13 PM  6 URBAN    MINOR ARTERIAL
2 13 18.5 52.0 24.0 24.0 38.0
.683.185.085.012.002.003.030.000   13 PM  6 URBAN    COLLECTOR
2 13 24.9 52.0 19.0 17.0 30.0
.609.212.098.022.002.003.054.000   13 PM  6 URBAN    RAMP
2 13 17.1 52.0 19.0 19.0 31.0
.683.185.085.012.002.003.030.000   13 PM  6 URBAN    LOCAL
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2 13 34.6 52.0 13.0 10.0 19.0
.562.237.109.025.002.004.061.000   13 PM  6 SUBURBAN FREEWAY
2 13 25.2 52.0 14.0 23.0 22.0
.462.287.132.033.002.005.079.000   13 PM  6 SUBURBAN MAJOR REGIONAL
2 13 25.4 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  6 SUBURBAN PRINCIPAL ARTERIAL
2 13 24.2 52.0 25.0 24.0 37.0
.583.234.108.020.002.004.049.000   13 PM  6 SUBURBAN MINOR ARTERIAL
2 13 23.3 52.0 28.0 26.0 43.0
.633.212.098.015.002.003.037.000   13 PM  6 SUBURBAN COLLECTOR
2 13 25.4 52.0 12.0 11.0 18.0
.544.259.119.021.002.004.051.000   13 PM  6 SUBURBAN RAMP
2 13 19.8 52.0 19.0 18.0 29.0
.633.212.098.015.002.003.037.000   13 PM  6 SUBURBAN LOCAL
2 13 53.9 52.0 16.0  9.0 23.0
.404.246.113.068.001.004.164.000   13 PM  6 RURAL    FREEWAY
2 13 39.0 52.0  3.0  2.0  5.0
.483.266.123.036.002.004.086.000   13 PM  6 RURAL    MAJOR REGIONAL
2 13 37.1 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    PRINCIPAL ARTERIAL
2 13 39.9 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    MINOR ARTERIAL
2 13 31.7 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    COLLECTOR
2 13 32.9 52.0 16.0 13.0 24.0
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    RAMP
2 13 21.3 52.0 23.0 13.0 34.0
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    LOCAL
2 13 27.0 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      PRINCIPAL ARTERIAL
2 13 25.1 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      MINOR ARTERIAL
2 13 20.0 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      COLLECTOR
2 13 11.2 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      LOCAL
2 13 55.0 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 7 FRINGE   FREEWAY
2 13 39.8 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 7 FRINGE   MAJOR REGIONAL
2 13 35.0 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   PRINCIPAL ARTERIAL
2 13 30.0 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   MINOR ARTERIAL
2 13 25.0 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   COLLECTOR
2 13 38.9 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   RAMP
2 13 14.1 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   LOCAL
2 13 58.0 36.0 14.0 14.0 23.0
.603.205.095.027.002.003.065.000   13 OFF 7 URBAN    FREEWAY
2 13 45.0 36.0 14.0 14.0 24.0
.533.253.116.027.002.004.065.000   13 OFF 7 URBAN    MAJOR REGIONAL
2 13 37.0 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 7 URBAN    PRINCIPAL ARTERIAL
2 13 35.0 36.0 33.0 33.0 54.0
.643.185.085.024.002.003.058.000   13 OFF 7 URBAN    MINOR ARTERIAL
2 13 25.0 36.0 26.0 28.0 43.0
.643.212.098.012.002.003.030.000   13 OFF 7 URBAN    COLLECTOR
2 13 39.0 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 7 URBAN    RAMP
2 13 17.1 36.0 18.0 20.0 20.0
.643.212.098.012.002.003.030.000   13 OFF 7 URBAN    LOCAL
2 13 58.0 36.0 13.0 11.0 21.0
.534.238.110.033.002.004.079.000   13 OFF 7 SUBURBAN FREEWAY
2 13 45.0 36.0 15.0 15.0 25.0
.463.280.129.036.002.004.086.000   13 OFF 7 SUBURBAN MAJOR REGIONAL
2 13 45.0 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 7 SUBURBAN PRINCIPAL ARTERIAL
2 13 39.8 36.0 32.0 30.0 52.0
.594.217.100.025.002.003.059.000   13 OFF 7 SUBURBAN MINOR ARTERIAL
2 13 30.0 36.0 23.0 22.0 37.0
.553.273.126.012.002.004.030.000   13 OFF 7 SUBURBAN COLLECTOR
2 13 39.0 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 7 SUBURBAN RAMP
2 13 19.7 36.0 19.0 19.0 32.0
.553.273.126.012.002.004.030.000   13 OFF 7 SUBURBAN LOCAL
2 13 63.0 36.0 15.0  9.0 25.0
.423.226.104.071.001.004.171.000   13 OFF 7 RURAL    FREEWAY
2 13 49.0 36.0  4.0  2.0  6.0
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.473.246.113.047.002.004.115.000   13 OFF 7 RURAL    MAJOR REGIONAL
2 13 48.0 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    PRINCIPAL ARTERIAL
2 13 44.0 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    MINOR ARTERIAL
2 13 35.0 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    COLLECTOR
2 13 39.1 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    RAMP
2 13 20.6 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    LOCAL
2 13 26.2 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      PRINCIPAL ARTERIAL
2 13 24.3 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      MINOR ARTERIAL
2 13 19.3 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      COLLECTOR
2 13 11.2 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      LOCAL
2 13 51.3 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 8 FRINGE   FREEWAY
2 13 38.4 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 8 FRINGE   MAJOR REGIONAL
2 13 34.0 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   PRINCIPAL ARTERIAL
2 13 28.9 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   MINOR ARTERIAL
2 13 24.4 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   COLLECTOR
2 13 36.2 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   RAMP
2 13 14.1 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   LOCAL
2 13 54.7 36.0 14.0 14.0 23.0
.603.205.095.027.002.003.065.000   13 OFF 8 URBAN    FREEWAY
2 13 43.3 36.0 14.0 14.0 24.0
.533.253.116.027.002.004.065.000   13 OFF 8 URBAN    MAJOR REGIONAL
2 13 36.3 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 8 URBAN    PRINCIPAL ARTERIAL
2 13 34.3 36.0 33.0 33.0 54.0
.643.185.085.024.002.003.058.000   13 OFF 8 URBAN    MINOR ARTERIAL
2 13 24.8 36.0 26.0 28.0 43.0
.643.212.098.012.002.003.030.000   13 OFF 8 URBAN    COLLECTOR
2 13 36.7 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 8 URBAN    RAMP
2 13 17.1 36.0 18.0 20.0 20.0
.643.212.098.012.002.003.030.000   13 OFF 8 URBAN    LOCAL
2 13 57.0 36.0 13.0 11.0 21.0
.534.238.110.033.002.004.079.000   13 OFF 8 SUBURBAN FREEWAY
2 13 44.4 36.0 15.0 15.0 25.0
.463.280.129.036.002.004.086.000   13 OFF 8 SUBURBAN MAJOR REGIONAL
2 13 44.1 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 8 SUBURBAN PRINCIPAL ARTERIAL
2 13 39.3 36.0 32.0 30.0 52.0
.594.217.100.025.002.003.059.000   13 OFF 8 SUBURBAN MINOR ARTERIAL
2 13 29.9 36.0 23.0 22.0 37.0
.553.273.126.012.002.004.030.000   13 OFF 8 SUBURBAN COLLECTOR
2 13 36.6 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 8 SUBURBAN RAMP
2 13 19.8 36.0 19.0 19.0 32.0
.553.273.126.012.002.004.030.000   13 OFF 8 SUBURBAN LOCAL
2 13 62.9 36.0 15.0  9.0 25.0
.423.226.104.071.001.004.171.000   13 OFF 8 RURAL    FREEWAY
2 13 49.0 36.0  4.0  2.0  6.0
.473.246.113.047.002.004.115.000   13 OFF 8 RURAL    MAJOR REGIONAL
2 13 47.6 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    PRINCIPAL ARTERIAL
2 13 44.0 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    MINOR ARTERIAL
2 13 34.8 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    COLLECTOR
2 13 38.9 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    RAMP
2 13 20.6 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    LOCAL
2 13 25.4 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      PRINCIPAL ARTERIAL
2 13 23.3 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      MINOR ARTERIAL
2 13 18.7 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      COLLECTOR
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2 13 11.2 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      LOCAL
2 13 46.5 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 9 FRINGE   FREEWAY
2 13 35.9 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF 9 FRINGE   MAJOR REGIONAL
2 13 31.9 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   PRINCIPAL ARTERIAL
2 13 27.6 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   MINOR ARTERIAL
2 13 23.2 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   COLLECTOR
2 13 33.0 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   RAMP
2 13 14.1 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   LOCAL
2 13 50.3 36.0 14.0 14.0 23.0
.603.205.095.027.002.003.065.000   13 OFF 9 URBAN    FREEWAY
2 13 41.3 36.0 14.0 14.0 24.0
.533.253.116.027.002.004.065.000   13 OFF 9 URBAN    MAJOR REGIONAL
2 13 35.1 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 9 URBAN    PRINCIPAL ARTERIAL
2 13 33.0 36.0 33.0 33.0 54.0
.643.185.085.024.002.003.058.000   13 OFF 9 URBAN    MINOR ARTERIAL
2 13 24.6 36.0 26.0 28.0 43.0
.643.212.098.012.002.003.030.000   13 OFF 9 URBAN    COLLECTOR
2 13 35.1 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF 9 URBAN    RAMP
2 13 17.1 36.0 18.0 20.0 20.0
.643.212.098.012.002.003.030.000   13 OFF 9 URBAN    LOCAL
2 13 54.9 36.0 13.0 11.0 21.0
.534.238.110.033.002.004.079.000   13 OFF 9 SUBURBAN FREEWAY
2 13 43.2 36.0 15.0 15.0 25.0
.463.280.129.036.002.004.086.000   13 OFF 9 SUBURBAN MAJOR REGIONAL
2 13 42.4 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 9 SUBURBAN PRINCIPAL ARTERIAL
2 13 38.6 36.0 32.0 30.0 52.0
.594.217.100.025.002.003.059.000   13 OFF 9 SUBURBAN MINOR ARTERIAL
2 13 29.7 36.0 23.0 22.0 37.0
.553.273.126.012.002.004.030.000   13 OFF 9 SUBURBAN COLLECTOR
2 13 35.3 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF 9 SUBURBAN RAMP
2 13 19.8 36.0 19.0 19.0 32.0
.553.273.126.012.002.004.030.000   13 OFF 9 SUBURBAN LOCAL
2 13 62.6 36.0 15.0  9.0 25.0
.423.226.104.071.001.004.171.000   13 OFF 9 RURAL    FREEWAY
2 13 49.0 36.0  4.0  2.0  6.0
.473.246.113.047.002.004.115.000   13 OFF 9 RURAL    MAJOR REGIONAL
2 13 47.2 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    PRINCIPAL ARTERIAL
2 13 43.9 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    MINOR ARTERIAL
2 13 34.7 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    COLLECTOR
2 13 38.7 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    RAMP
2 13 20.7 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    LOCAL
2 13 24.4 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF10 CBD      PRINCIPAL ARTERIAL
2 13 21.9 36.0 21.0 17.0 43.0
.575.218.100.030.002.003.072.000   13 OFF10 CBD      MINOR ARTERIAL
2 13 18.1 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF10 CBD      COLLECTOR
2 13 11.2 36.0 16.0 12.0 35.0
.575.218.100.030.002.003.072.000   13 OFF10 CBD      LOCAL
2 13 42.2 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF10 FRINGE   FREEWAY
2 13 32.8 36.0  9.0 10.0 16.0
.503.246.113.039.002.004.093.000   13 OFF10 FRINGE   MAJOR REGIONAL
2 13 29.6 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   PRINCIPAL ARTERIAL
2 13 25.6 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   MINOR ARTERIAL
2 13 22.4 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   COLLECTOR
2 13 29.9 36.0 22.0 25.0 39.0
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   RAMP
2 13 14.1 36.0 15.0 19.0 29.0
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   LOCAL
2 13 45.8 36.0 14.0 14.0 23.0
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.603.205.095.027.002.003.065.000   13 OFF10 URBAN    FREEWAY
2 13 38.3 36.0 14.0 14.0 24.0
.533.253.116.027.002.004.065.000   13 OFF10 URBAN    MAJOR REGIONAL
2 13 33.3 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF10 URBAN    PRINCIPAL ARTERIAL
2 13 31.2 36.0 33.0 33.0 54.0
.643.185.085.024.002.003.058.000   13 OFF10 URBAN    MINOR ARTERIAL
2 13 24.4 36.0 26.0 28.0 43.0
.643.212.098.012.002.003.030.000   13 OFF10 URBAN    COLLECTOR
2 13 33.6 36.0 20.0 21.0 34.0
.615.215.099.019.002.003.047.000   13 OFF10 URBAN    RAMP
2 13 17.1 36.0 18.0 20.0 20.0
.643.212.098.012.002.003.030.000   13 OFF10 URBAN    LOCAL
2 13 52.6 36.0 13.0 11.0 21.0
.534.238.110.033.002.004.079.000   13 OFF10 SUBURBAN FREEWAY
2 13 41.4 36.0 15.0 15.0 25.0
.463.280.129.036.002.004.086.000   13 OFF10 SUBURBAN MAJOR REGIONAL
2 13 40.5 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF10 SUBURBAN PRINCIPAL ARTERIAL
2 13 37.2 36.0 32.0 30.0 52.0
.594.217.100.025.002.003.059.000   13 OFF10 SUBURBAN MINOR ARTERIAL
2 13 29.4 36.0 23.0 22.0 37.0
.553.273.126.012.002.004.030.000   13 OFF10 SUBURBAN COLLECTOR
2 13 33.6 36.0 22.0 21.0 36.0
.593.212.098.027.002.003.065.000   13 OFF10 SUBURBAN RAMP
2 13 19.8 36.0 19.0 19.0 32.0
.553.273.126.012.002.004.030.000   13 OFF10 SUBURBAN LOCAL
2 13 62.0 36.0 15.0  9.0 25.0
.423.226.104.071.001.004.171.000   13 OFF10 RURAL    FREEWAY
2 13 48.9 36.0  4.0  2.0  6.0
.473.246.113.047.002.004.115.000   13 OFF10 RURAL    MAJOR REGIONAL
2 13 46.6 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    PRINCIPAL ARTERIAL
2 13 43.8 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    MINOR ARTERIAL
2 13 34.5 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    COLLECTOR
2 13 38.5 36.0 18.0 12.0 29.0
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    RAMP
2 13 20.6 36.0 23.0 13.0 48.0
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    LOCAL
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12013 RAQC 6/16 strats; I/M 240 w/4 yr exempt, 80%rsd, 1.7% oxy
 MOBILE5b (14-Sep-96)
0
-M 22 Warning:
+               0.346E-01 mileage with zero registration
-M 22 Warning:
+               0.626E-01 mileage with zero registration
-M 22 Warning:
+               0.373E-01 mileage with zero registration
-M 22 Warning:
+               0.222E-01 mileage with zero registration
0R                           P
 e    Amb.                   o                    Composite Emission Factors                                                 Vehicle Mix
 g CY Tmp   Cold/Hot Start   l  LDGV   LDGT1  LDGT2  LDGT   HDGV   LDDV   LDDT   HDDV    MC   AllVeh LDGV LDGT1LDGT2HDGV LDDV LDDT HDDV  MC
 - -- ---- ---------------- - ------------------------------------------------------------------------- -----------------------------------
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  16.77  22.82  25.74  23.74  39.87   1.27   2.28  17.86   0.00  19.65 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  17.44  23.63  26.65  24.58  42.38   1.35   2.41  18.93   0.00  20.44 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  17.75  23.40  26.77  24.46  50.13   1.50   2.70  22.18   0.00  21.03 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  21.75  28.26  32.33  29.54  69.07   2.01   3.63  29.87   0.00  26.02 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2   7.37  10.71  12.25  11.20  22.07   0.64   1.15   9.79   0.00   9.26 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2   9.63  13.55  15.50  14.16  26.08   0.77   1.38  11.75   0.00  11.78 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  14.53  21.19  23.12  21.80  29.92   1.15   2.05  13.51   0.00  16.56 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  16.77  24.16  26.36  24.85  33.87   1.30   2.32  15.27   0.00  19.00 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2  17.82  24.57  27.50  25.49  40.53   1.32   2.35  18.14   0.00  20.27 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  12.73  18.81  20.52  19.34  26.89   1.04   1.84  12.13   0.00  14.61 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   1.0  23.0 2  21.28  29.02  32.44  30.10  56.35   1.80   3.20  24.74   0.00  24.63 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2   6.85  10.48  11.73  10.88  20.72   0.65   1.16   9.01   0.00   8.43 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   24.0   2.0  24.0 2   9.25  13.64  15.22  14.14  23.48   0.78   1.38  10.51   0.00  11.30 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  11.70  17.39  19.02  17.90  25.49   0.97   1.71  11.48   0.00  13.75 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   81.0   7.0  83.0 2  20.03  30.40  31.93  30.88  27.08   1.49   2.62  12.22   0.00  22.48 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   69.0   7.0  71.0 2  22.95  33.79  35.83  34.44  33.87   1.68   2.96  15.27   0.00  25.78 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  10.88  16.30  17.82  16.78  24.24   0.91   1.62  10.88   0.00  12.85 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   44.0   4.0  46.0 2  22.72  32.17  34.94  33.05  46.55   1.81   3.22  20.69   0.00  25.90 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   28.0   2.0  28.0 2   5.82   9.31  10.33   9.63  20.39   0.65   1.16   8.54   0.00   7.67 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   19.0   2.0  19.0 2   8.13  12.02  13.52  12.50  22.29   0.71   1.26   9.91   0.00  10.39 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   3.0  39.0 2   8.99  13.78  15.09  14.19  21.87   0.81   1.43   9.69   0.00  11.08 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   77.0   8.0  77.0 2  15.55  24.04  25.36  24.46  23.66   1.24   2.18  10.60   0.00  17.98 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   73.0   7.0  73.0 2  18.33  27.63  29.24  28.14  27.57   1.39   2.46  12.45   0.00  21.52 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  27   39.0   3.0  39.0 2  11.98  17.73  19.41  18.26  26.08   0.98   1.73  11.75   0.00  14.40 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   52.0   5.0  52.0 2  22.31  32.00  34.53  32.80  39.87   1.66   2.94  17.86   0.00  25.86 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   36.0   1.0  35.0 2   8.49  13.38  14.73  13.80  26.62   0.78   1.37   9.66   0.00  12.00 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   0.0   8.0 2   4.97   7.70   8.81   8.05  20.42   0.56   0.99   8.53   0.00   7.26 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   5.96   9.08  10.30   9.46  20.42   0.60   1.06   8.77   0.00   7.73 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   5.83   8.92  10.12   9.30  20.37   0.59   1.05   8.72   0.00   7.59 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  12.53  19.15  20.58  19.60  24.04   1.03   1.81  10.78   0.00  15.16 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   7.75  11.36  12.89  11.84  22.24   0.67   1.19   9.89   0.00   9.68 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  20.99  30.53  32.82  31.25  36.46   1.56   2.76  16.39   0.00  24.63 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  19.22  25.84  29.15  26.89  51.42   1.62   2.90  22.71   0.00  22.72 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  20.25  27.13  30.60  28.22  56.35   1.76   3.16  24.74   0.00  24.03 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  19.44  25.46  29.12  26.62  58.69   1.73   3.12  25.69   0.00  23.17 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  21.75  28.26  32.33  29.54  69.07   2.01   3.63  29.87   0.00  26.02 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2   9.67  13.60  15.56  14.22  26.16   0.77   1.38  11.79   0.00  11.83 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2  13.43  18.32  20.95  19.15  34.36   1.01   1.81  15.48   0.00  16.09 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  19.99  28.42  31.00  29.23  39.65   1.52   2.70  17.77   0.00  22.50 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  21.13  29.88  32.60  30.74  43.37   1.65   2.94  19.35   0.00  23.84 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2  19.85  27.13  30.36  28.15  50.45   1.62   2.88  22.31   0.00  22.86 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  15.51  22.49  24.53  23.13  31.63   1.22   2.17  14.27   0.00  17.63 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   1.0  23.0 2  21.28  29.02  32.44  30.10  56.35   1.80   3.20  24.74   0.00  24.63 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2   8.78  12.96  14.51  13.45  22.97   0.75   1.33  10.26   0.00  10.50 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   24.0   2.0  24.0 2  12.12  17.34  19.35  17.97  28.52   0.95   1.69  12.88   0.00  14.50 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  14.71  21.37  23.37  22.00  30.55   1.16   2.06  13.79   0.00  17.07 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   81.0   7.0  83.0 2  26.29  38.93  40.88  39.55  34.03   1.87   3.29  15.34   0.00  29.19 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   69.0   7.0  71.0 2  26.24  38.25  40.55  38.98  38.20   1.88   3.32  17.14   0.00  29.33 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  12.57  18.54  20.27  19.09  26.89   1.02   1.81  12.13   0.00  14.71 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   44.0   4.0  46.0 2  22.72  32.17  34.94  33.05  46.55   1.81   3.22  20.69   0.00  25.90 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   28.0   2.0  28.0 2   7.37  11.33  12.58  11.72  20.88   0.69   1.23   9.12   0.00   9.32 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   19.0   2.0  19.0 2  10.90  15.57  17.50  16.18  26.98   0.87   1.54  12.17   0.00  13.50 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   3.0  39.0 2  11.77  17.45  19.11  17.97  25.74   0.96   1.71  11.59   0.00  14.16 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   77.0   8.0  77.0 2  20.51  30.76  32.44  31.29  28.97   1.53   2.70  13.08   0.00  23.33 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  27   73.0   7.0  73.0 2  21.73  32.24  34.12  32.84  31.77   1.61    2.83  14.34    0.00  25.31 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   3.0  39.0 2  13.97  20.35  22.29  20.96  29.44   1.11    1.96  13.29    0.00  16.63 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   52.0   5.0  52.0 2  22.31  32.00  34.53  32.80  39.87   1.66    2.94  17.86    0.00  25.86 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   36.0   1.0  35.0 2   6.69  10.77  11.86  11.11  23.98   0.73    1.29   9.08    0.00  10.09 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   0.0   8.0 2   6.06   9.08  10.39   9.49  20.61   0.58    1.04   8.93    0.00   8.32 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   6.93  10.31  11.70  10.75  21.19   0.63    1.12   9.31    0.00   8.77 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   6.13   9.30  10.55   9.70  20.51   0.60    1.07   8.86    0.00   7.91 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  13.30  20.19  21.70  20.66  25.02   1.07    1.89  11.26    0.00  16.02 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   9.02  12.97  14.72  13.52  24.31   0.74    1.32  10.91    0.00  11.09 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  20.99  30.53  32.82  31.25  36.46   1.56    2.76  16.39    0.00  24.63 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  23.09  30.66  34.58  31.90  68.57   2.11    3.78  29.67    0.00  27.52 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   16.0   8.0  16.0 2  24.04  31.83  35.90  33.12  72.21   2.21    3.97  31.11    0.00  28.66 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  21.87  28.41  32.49  29.70  69.58   2.03    3.66  30.07    0.00  26.17 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    7.0  11.0   7.0 2  21.75  28.26  32.33  29.54  69.07   2.01    3.63  29.87    0.00  26.02 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2  13.01  17.79  20.34  18.59  33.40   0.99    1.76  15.06    0.00  15.61 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   1.0   8.0 2  17.56  23.44  26.81  24.51  48.29   1.40    2.50  21.41    0.00  21.07 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  23.46  32.91  35.90  33.85  53.10   2.00    3.55  23.40    0.00  26.71 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  23.91  33.48  36.53  34.44  54.87   2.06    3.66  24.13    0.00  27.26 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2  22.25  30.16  33.75  31.29  61.17   1.94    3.45  26.69    0.00  25.84 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   41.0   5.0  42.0 2  19.07  27.20  29.67  27.98  38.00   1.46    2.59  17.06    0.00  21.50 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   1.0  23.0 2  21.28  29.02  32.44  30.10  56.35   1.80    3.20  24.74    0.00  24.63 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   22.0   2.0  22.0 2  11.60  16.59  18.57  17.22  27.88   0.91    1.63  12.59    0.00  13.59 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   24.0   2.0  24.0 2  16.37  22.83  25.49  23.67  37.02   1.23    2.19  16.64    0.00  19.30 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  18.84  26.81  29.32  27.60  38.00   1.43    2.55  17.06    0.00  21.63 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   81.0   7.0  83.0 2  32.51  47.33  49.70  48.08  42.14   2.30    4.04  18.83    0.00  35.87 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   69.0   7.0  71.0 2  29.24  42.23  44.77  43.03  44.39   2.17    3.84  19.78    0.00  32.66 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   4.0  40.0 2  14.57  21.17  23.16  21.80  30.30   1.15    2.04  13.68    0.00  16.91 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   44.0   4.0  46.0 2  22.72  32.17  34.94  33.05  46.55   1.81    3.22  20.69    0.00  25.90 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   28.0   2.0  28.0 2  10.09  14.86  16.50  15.38  24.37   0.83    1.48  10.95    0.00  12.31 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   19.0   2.0  19.0 2  14.37  20.02  22.50  20.81  34.03   1.09    1.94  15.34    0.00  17.48 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   3.0  39.0 2  15.44  22.29  24.41  22.96  32.05   1.20    2.13  14.46    0.00  18.28 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  27   77.0   8.0  77.0 2  27.18  39.81  41.99  40.50  37.02   1.95   3.43  16.64   0.00  30.56 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   73.0   7.0  73.0 2  25.68  37.59  39.79  38.29  36.83   1.85   3.27  16.55   0.00  29.71 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   39.0   3.0  39.0 2  15.93  22.94  25.12  23.63  32.94   1.24   2.19  14.85   0.00  18.83 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   52.0   5.0  52.0 2  22.31  32.00  34.53  32.80  39.87   1.66   2.94  17.86   0.00  25.86 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   36.0   1.0  35.0 2   5.74   9.39  10.34   9.69  21.47   0.69   1.22   8.59   0.00   8.95 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27    8.0   0.0   8.0 2   7.51  10.89  12.46  11.39  22.29   0.65   1.15   9.91   0.00   9.86 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   8.27  12.01  13.63  12.52  23.03   0.70   1.24  10.29   0.00  10.25 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2   6.90  10.28  11.66  10.72  21.16   0.63   1.12   9.29   0.00   8.74 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  14.15  21.33  22.92  21.83  26.16   1.13   1.98  11.79   0.00  16.96 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   13.0   1.0  13.0 2  10.07  14.29  16.21  14.90  26.25   0.80   1.43  11.83   0.00  12.26 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  27   57.0   2.0  57.0 2  20.99  30.53  32.82  31.25  36.46   1.56   2.76  16.39   0.00  24.63 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  16.46  22.05  24.04  22.68  33.20   1.54   2.77  15.70   0.00  18.45 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  19.56  25.84  28.17  26.58  39.02   1.80   3.24  18.33   0.00  21.79 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  20.22  26.60  29.09  27.39  46.27   2.03   3.64  21.54   0.00  22.88 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  25.19  32.62  35.67  33.58  65.77   2.81   5.04  29.87   0.00  28.82 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2   6.12   8.49   9.70   8.88  20.71   0.66   1.18   9.62   0.00   7.77 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2   7.53  10.18  11.63  10.63  23.28   0.75   1.35  10.98   0.00   9.33 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  11.67  15.72  17.35  16.23  27.16   1.14   2.08  12.88   0.00  13.43 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  13.68  18.17  20.06  18.76  31.08   1.31   2.38  14.72   0.00  15.63 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  16.17  21.34  23.51  22.02  35.99   1.51   2.74  16.97   0.00  18.38 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  11.45  15.45  17.06  15.96  26.75   1.12   2.05  12.68   0.00  13.20 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  20.72  26.80  29.53  27.66  53.66   2.20   3.99  24.74   0.00  23.79 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2   5.07   7.24   8.27   7.57  19.53   0.60   1.09   8.86   0.00   6.39 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   15.0  14.0  23.0 2   6.85   9.52  10.73   9.90  21.18   0.74   1.35   9.89   0.00   8.30 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2   8.58  11.71  13.10  12.15  23.69   0.89   1.62  11.19   0.00  10.12 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   39.0  37.0  60.0 2  13.86  18.69  20.25  19.18  25.17   1.33   2.47  11.92   0.00  15.55 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   24.0  24.0  38.0 2  13.40  17.66  19.57  18.26  31.08   1.28   2.35  14.72   0.00  14.91 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2   8.47  11.58  12.95  12.01  23.48   0.88   1.60  11.08   0.00  10.00 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  19.0  31.0 2  16.72  21.48  23.99  22.27  44.33   1.67   3.05  20.69   0.00  18.60 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   13.0  10.0  19.0 2   4.22   6.32   7.16   6.58  20.13   0.61   1.11   8.54   0.00   5.68 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   14.0  23.0  22.0 2   5.97   8.41   9.47   8.74  20.00   0.71   1.30   9.19   0.00   7.82 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  52   12.0  11.0  18.0 2   6.00   8.43   9.56   8.79  20.26   0.67   1.21   9.36   0.00   7.50 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   25.0  24.0  37.0 2   7.72  10.79  11.97  11.16  21.02   0.85   1.56   9.79   0.00   9.23 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   28.0  26.0  43.0 2  11.09  14.98  16.51  15.47  25.34   1.10   2.02  12.00   0.00  12.65 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   12.0  11.0  18.0 2   7.70  10.46  11.86  10.90  23.08   0.78   1.41  10.88   0.00   9.36 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  18.0  29.0 2  15.02  19.45  21.77  20.19  37.96   1.42   2.59  17.86   0.00  17.01 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0   9.0  23.0 2   6.90   9.92  11.19  10.32  26.56   0.73   1.32   9.95   0.00   9.94 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    3.0   2.0   5.0 2   3.88   5.75   6.63   6.03  19.68   0.54   0.97   8.51   0.00   5.67 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   4.80   7.07   7.96   7.35  19.37   0.65   1.17   8.58   0.00   6.05 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   5.10   7.43   8.37   7.73  19.38   0.66   1.19   8.69   0.00   6.36 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2   7.73  10.77  12.01  11.16  21.93   0.83   1.50  10.29   0.00   9.19 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   6.34   8.93  10.05   9.28  20.41   0.71   1.29   9.45   0.00   7.67 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2  14.05  18.46  20.58  19.13  35.07   1.33   2.42  16.55   0.00  16.14 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  21.90  28.68  31.26  29.49  48.96   2.23   4.01  22.71   0.00  24.65 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  23.66  30.80  33.58  31.68  55.88   2.52   4.54  25.69   0.00  26.76 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  22.92  29.87  32.66  30.75  57.44   2.48   4.45  26.35   0.00  26.14 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  25.19  32.62  35.67  33.58  65.77   2.81   5.04  29.87   0.00  28.82 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2   8.71  11.59  13.24  12.11  25.88   0.83   1.50  12.26   0.00  10.66 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2  10.21  13.38  15.28  13.98  29.47   0.95   1.71  13.97   0.00  12.36 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  17.38  22.65  25.00  23.39  38.38   1.60   2.92  18.05   0.00  19.65 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  18.23  23.66  26.12  24.44  42.52   1.76   3.22  19.89   0.00  20.71 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  18.34  23.94  26.38  24.71  42.77   1.78   3.23  20.00   0.00  20.87 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  14.27  18.89  20.85  19.50  32.26   1.35   2.47  15.27   0.00  16.27 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  20.72  26.80  29.53  27.66  53.66   2.20   3.99  24.74   0.00  23.79 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2   7.50  10.14  11.58  10.60  23.21   0.75   1.34  10.95   0.00   9.00 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   15.0  14.0  23.0 2  10.38  13.76  15.51  14.31  28.26   1.01   1.83  13.40   0.00  12.19 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2  11.75  15.54  17.38  16.12  30.38   1.14   2.08  14.40   0.00  13.61 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   39.0  37.0  60.0 2  19.09  25.00  27.08  25.66  32.88   1.73   3.23  15.55   0.00  21.12 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   24.0  24.0  38.0 2  15.44  20.12  22.29  20.81  35.25   1.45   2.66  16.64   0.00  17.10 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2  10.04  13.48  15.07  13.98  26.65   1.00   1.83  12.63   0.00  11.73 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  19.0  31.0 2  16.72  21.48  23.99  22.27  44.33   1.67   3.05  20.69   0.00  18.60 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   13.0  10.0  19.0 2   5.27   7.58   8.58   7.89  19.53   0.64   1.15   8.86   0.00   6.73 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  52   14.0  23.0  22.0 2   8.34  11.23  12.65  11.68  23.83   0.87   1.59  11.26   0.00  10.43 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   12.0  11.0  18.0 2   7.96  10.78  12.23  11.24  23.62   0.80   1.45  11.15   0.00   9.65 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   25.0  24.0  37.0 2   9.92  13.43  14.90  13.90  24.51   1.01   1.85  11.59   0.00  11.60 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   28.0  26.0  43.0 2  12.65  16.86  18.59  17.41  28.14   1.22   2.25  13.35   0.00  14.33 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   12.0  11.0  18.0 2   9.28  12.35  14.01  12.88  26.45   0.90   1.63  12.54   0.00  11.12 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  18.0  29.0 2  15.02  19.45  21.77  20.19  37.96   1.42   2.59  17.86   0.00  17.01 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0   9.0  23.0 2   5.70   8.33   9.39   8.66  23.98   0.69   1.24   9.34   0.00   8.58 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    3.0   2.0   5.0 2   4.39   6.35   7.32   6.65  19.36   0.55   0.98   8.62   0.00   6.15 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   5.62   8.06   9.08   8.38  19.66   0.68   1.23   8.96   0.00   6.91 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   5.25   7.61   8.57   7.91  19.43   0.66   1.20   8.76   0.00   6.51 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2   8.09  11.21  12.49  11.61  22.53   0.85   1.55  10.60   0.00   9.58 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   6.91   9.61  10.82   9.99  21.22   0.75   1.36   9.91   0.00   8.28 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2  14.05  18.46  20.58  19.13  35.07   1.33   2.42  16.55   0.00  16.14 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  25.89  33.51  36.53  34.46  63.88   2.85   5.14  29.07   0.00  29.38 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   46.0  12.0  59.0 2  29.00  37.27  40.63  38.33  73.60   3.25   5.85  33.12   0.00  32.94 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  26.39  34.08  37.27  35.08  69.80   2.97   5.33  31.55   0.00  30.21 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   45.0   8.0  56.0 2  25.19  32.62  35.67  33.58  65.77   2.81   5.04  29.87   0.00  28.82 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2  11.57  15.00  17.14  15.68  32.88   1.06   1.91  15.55   0.00  13.91 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2  13.83  17.68  20.19  18.47  38.59   1.23   2.23  18.14   0.00  16.48 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  19.89  25.64  28.30  26.47  50.24   2.06   3.76  23.26   0.00  22.75 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  21.09  27.07  29.88  27.96  55.50   2.26   4.13  25.53   0.00  24.21 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  20.72  26.80  29.53  27.66  53.66   2.20   3.99  24.74   0.00  23.79 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   30.0  19.0  43.0 2  17.43  22.70  25.06  23.44  38.59   1.61   2.94  18.14   0.00  19.71 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   34.0  14.0  46.0 2  20.72  26.80  29.53  27.66  53.66   2.20   3.99  24.74   0.00  23.79 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    8.0   7.0  12.0 2  10.11  13.26  15.14  13.85  29.22   0.94   1.70  13.85   0.00  11.90 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   15.0  14.0  23.0 2  13.75  17.82  20.08  18.53  36.18   1.28   2.33  17.06   0.00  15.95 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2  15.40  19.93  22.29  20.67  38.81   1.45   2.64  18.24   0.00  17.64 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   39.0  37.0  60.0 2  24.09  30.95  33.53  31.76  43.28   2.25   4.20  20.22   0.00  26.51 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   24.0  24.0  38.0 2  17.52  22.59  25.03  23.36  40.82   1.66   3.06  19.14   0.00  19.35 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  17.0  30.0 2  11.40  15.12  16.90  15.68  29.60   1.11   2.03  14.03   0.00  13.22 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  19.0  31.0 2  16.72  21.48  23.99  22.27  44.33   1.67   3.05  20.69   0.00  18.60 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  52   13.0  10.0  19.0 2   6.91   9.55  10.81   9.95  21.58   0.73   1.31  10.10   0.00   8.49 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   14.0  23.0  22.0 2  10.82  14.19  15.98  14.76  29.22   1.07   1.96  13.85   0.00  13.25 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   12.0  11.0  18.0 2  10.36  13.66  15.48  14.23  28.97   0.98   1.78  13.74   0.00  12.33 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   25.0  24.0  37.0 2  13.01  17.16  19.04  17.75  30.52   1.25   2.30  14.46   0.00  14.99 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   28.0  26.0  43.0 2  14.58  19.20  21.16  19.82  31.80   1.38   2.54  15.06   0.00  16.42 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   12.0  11.0  18.0 2  10.36  13.66  15.48  14.23  28.97   0.98   1.78  13.74   0.00  12.33 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   19.0  18.0  29.0 2  15.02  19.45  21.77  20.19  37.96   1.42   2.59  17.86   0.00  17.01 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0   9.0  23.0 2   4.31   6.47   7.30   6.73  21.31   0.64   1.16   8.75   0.00   7.05 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52    3.0   2.0   5.0 2   5.36   7.50   8.65   7.86  20.02   0.59   1.05   9.21   0.00   7.17 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   6.46   9.07  10.22   9.44  20.57   0.72   1.31   9.54   0.00   7.80 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   5.81   8.29   9.34   8.62  19.82   0.68   1.24   9.08   0.00   7.11 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2   8.47  11.67  13.01  12.10  23.21   0.88   1.60  10.95   0.00  10.00 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   16.0  13.0  24.0 2   7.65  10.50  11.83  10.92  22.47   0.80   1.45  10.57   0.00   9.08 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  52   23.0  13.0  34.0 2  14.05  18.46  20.58  19.13  35.07   1.33   2.42  16.55   0.00  16.14 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  12.98  18.48  20.13  19.00  27.02   1.10   2.02  12.88   0.00  15.25 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  14.24  20.10  21.90  20.66  29.19   1.18   2.18  13.91   0.00  16.65 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  16.86  23.21  25.54  23.94  37.36   1.39   2.54  17.68   0.00  19.71 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  23.63  31.69  34.87  32.69  65.43   2.34   4.30  29.87   0.00  28.11 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   4.43   6.87   7.75   7.14  21.72   0.62   1.13   8.85   0.00   6.47 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   5.93   8.74   9.86   9.09  19.74   0.64   1.16   9.09   0.00   7.87 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2   9.09  13.31  14.54  13.70  21.29   0.87   1.61  10.00   0.00  10.69 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  11.22  16.01  17.49  16.47  24.30   1.01   1.86  11.56   0.00  12.97 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  12.34  17.11  18.94  17.69  29.31   1.10   2.02  13.97   0.00  14.28 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2   7.82  11.69  12.77  12.03  19.94   0.80   1.48   9.23   0.00   9.34 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  19.82  26.46  29.28  27.35  53.38   1.94   3.57  24.74   0.00  22.93 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  23.0 2   5.98   9.12  10.18   9.46  23.50   0.69   1.26   9.26   0.00   7.68 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  24.0 2   5.23   8.03   8.96   8.32  19.26   0.64   1.17   8.59   0.00   6.94 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   7.83  11.55  12.71  11.92  20.50   0.79   1.45   9.56   0.00   9.40 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   33.0  33.0  54.0 2  11.25  16.58  17.80  16.96  21.29   1.03   1.91  10.00   0.00  12.91 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   26.0  28.0  43.0 2  15.07  21.04  22.87  21.62  29.31   1.28   2.37  13.97   0.00  17.17 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   7.25  10.83  11.90  11.17  19.92   0.76   1.40   9.21   0.00   8.78 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  36   18.0  20.0  20.0 2  16.68  22.10  24.75  22.94  44.10   1.59    2.88  20.69    0.00   19.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   13.0  11.0  21.0 2   5.87   8.95  10.02   9.29  23.50   0.67    1.22   9.26    0.00    7.88 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  15.0  25.0 2   5.27   8.11   9.03   8.40  19.26   0.65    1.19   8.59    0.00    7.32 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   5.96   9.25  10.15   9.53  19.26   0.72    1.33   8.59    0.00    7.57 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   32.0  30.0  52.0 2   9.02  13.66  14.70  13.99  19.74   0.91    1.68   9.09    0.00   10.83 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  22.0  37.0 2  10.84  15.48  16.95  15.94  24.30   0.99    1.81  11.56    0.00   13.00 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   7.41  11.09  12.17  11.43  19.92   0.78    1.42   9.21    0.00    9.08 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   19.0  19.0  32.0 2  17.14  23.29  25.68  24.05  37.97   1.45    2.66  17.95    0.00   20.08 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0   9.0  25.0 2   8.24  12.34  13.75  12.78  28.01   0.76    1.39  10.34    0.00   11.47 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    4.0   2.0   6.0 2   4.08   6.25   7.17   6.54  19.68   0.55    0.98   8.51    0.00    6.19 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   4.89   7.73   8.57   8.00  19.51   0.66    1.19   8.51    0.00    7.03 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.62   8.66   9.60   8.96  19.26   0.67    1.21   8.65    0.00    7.77 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2   9.51  14.20  15.40  14.58  21.29   0.86    1.59  10.00    0.00   12.09 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   6.72  10.06  11.15  10.40  19.89   0.71    1.29   9.19    0.00    8.94 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2  18.81  26.26  28.49  26.96  36.18   1.48    2.72  17.14    0.00   22.67 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  13.49  19.13  20.84  19.67  27.88   1.13    2.09  13.29    0.00   15.81 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  14.83  20.86  22.72  21.44  30.23   1.23    2.26  14.40    0.00   17.30 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  17.47  23.95  26.36  24.71  38.82   1.44    2.64  18.33    0.00   20.40 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  23.63  31.69  34.87  32.69  65.43   2.34    4.30  29.87    0.00   28.11 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   4.43   6.87   7.75   7.14  20.25   0.60    1.09   8.57    0.00    6.39 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   6.25   9.13  10.31   9.50  20.07   0.65    1.18   9.31    0.00    8.21 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2   9.47  13.79  15.06  14.19  21.76   0.89    1.65  10.26    0.00   11.09 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  11.78  16.73  18.27  17.21  25.21   1.05    1.93  12.00    0.00   13.59 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  12.72  17.59  19.47  18.18  30.09   1.13    2.07  14.34    0.00   14.70 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2   8.67  12.78  13.95  13.15  20.79   0.85    1.57   9.73    0.00   10.24 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  19.82  26.46  29.28  27.35  53.38   1.94    3.57  24.74    0.00   22.93 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  23.0 2   4.68   7.33   8.18   7.60  21.57   0.66    1.20   8.82    0.00    6.27 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  24.0 2   5.55   8.44   9.41   8.74  19.29   0.65    1.19   8.71    0.00    7.28 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   8.04  11.83  13.01  12.20  20.75   0.80    1.48   9.71    0.00    9.63 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   33.0  33.0  54.0 2  11.57  16.99  18.24  17.38  21.61   1.04    1.94  10.18    0.00   13.25 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   26.0  28.0  43.0 2  15.22  21.24  23.08  21.82  29.57   1.29    2.39  14.09    0.00   17.34 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  36   20.0  21.0  34.0 2   7.92  11.67  12.83  12.04  20.60   0.80    1.46    9.62    0.00    9.50 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  20.0  20.0 2  16.68  22.10  24.75  22.94  44.10   1.59    2.88   20.69    0.00   19.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   13.0  11.0  21.0 2   5.45   8.36   9.36   8.68  22.84   0.66    1.20    9.10    0.00    7.41 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  15.0  25.0 2   5.39   8.25   9.19   8.55  19.26   0.65    1.19    8.63    0.00    7.43 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   6.15   9.49  10.42   9.79  19.26   0.73    1.34    8.65    0.00    7.77 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   32.0  30.0  52.0 2   9.19  13.88  14.94  14.21  19.85   0.91    1.69    9.16    0.00   11.01 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  22.0  37.0 2  10.89  15.54  17.02  16.01  24.38   0.99    1.82   11.59    0.00   13.06 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   8.13  12.00  13.16  12.37  20.64   0.81    1.49    9.64    0.00    9.84 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   19.0  19.0  32.0 2  17.03  23.16  25.54  23.91  37.77   1.45    2.65   17.86    0.00   19.96 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0   9.0  25.0 2   8.19  12.28  13.68  12.72  27.89   0.76    1.38   10.31    0.00   11.41 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    4.0   2.0   6.0 2   4.08   6.25   7.17   6.54  19.68   0.55    0.98    8.51    0.00    6.19 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   4.96   7.82   8.67   8.09  19.45   0.66    1.19    8.51    0.00    7.10 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.62   8.66   9.60   8.96  19.26   0.67    1.21    8.65    0.00    7.77 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2   9.58  14.30  15.51  14.68  21.38   0.87    1.59   10.05    0.00   12.17 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   6.77  10.12  11.22  10.47  19.94   0.71    1.29    9.23    0.00    9.00 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2  18.81  26.26  28.49  26.96  36.18   1.48    2.72   17.14    0.00   22.67 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  14.03  19.83  21.60  20.38  28.82   1.17    2.16   13.74    0.00   16.41 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  15.62  21.88  23.84  22.49  31.64   1.28    2.36   15.06    0.00   18.18 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  17.74  24.30  26.73  25.06  40.15   1.49    2.72   18.93    0.00   20.75 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  23.63  31.69  34.87  32.69  65.43   2.34    4.30   29.87    0.00   28.11 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   4.66   7.16   8.08   7.45  19.34   0.60    1.08    8.53    0.00    6.57 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   6.88   9.92  11.20  10.32  20.91   0.69    1.25    9.79    0.00    8.90 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  10.33  14.88  16.26  15.32  22.96   0.95    1.75   10.88    0.00   12.02 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  12.51  17.65  19.28  18.16  26.41   1.10    2.03   12.59    0.00   14.37 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  13.54  18.63  20.62  19.26  31.79   1.19    2.18   15.13    0.00   15.61 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2   9.86  14.29  15.61  14.71  22.30   0.92    1.70   10.54    0.00   11.52 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  19.82  26.46  29.28  27.35  53.38   1.94    3.57   24.74    0.00   22.93 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  23.0 2   4.68   7.33   8.18   7.60  19.97   0.64    1.16    8.54    0.00    6.20 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  24.0 2   5.97   8.96   9.99   9.29  19.48   0.67    1.21    8.90    0.00    7.72 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   8.43  12.32  13.55  12.71  21.24   0.83    1.52    9.98    0.00   10.06 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   33.0  33.0  54.0 2  12.21  17.80  19.11  18.21  22.30   1.08    2.01   10.54    0.00   13.92 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  36   26.0  28.0  43.0 2  15.38  21.43  23.29  22.02  29.83   1.30   2.41  14.21   0.00  17.51 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   8.43  12.32  13.55  12.71  21.24   0.83   1.52   9.98   0.00  10.06 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  20.0  20.0 2  16.68  22.10  24.75  22.94  44.10   1.59   2.88  20.69   0.00  19.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   13.0  11.0  21.0 2   4.60   7.18   8.05   7.45  21.67   0.64   1.17   8.84   0.00   6.47 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  15.0  25.0 2   5.62   8.55   9.52   8.85  19.29   0.66   1.21   8.71   0.00   7.67 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   6.54   9.98  10.95  10.29  19.35   0.74   1.36   8.78   0.00   8.17 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   32.0  30.0  52.0 2   9.43  14.19  15.27  14.53  20.02   0.92   1.71   9.27   0.00  11.26 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  22.0  37.0 2  10.98  15.66  17.16  16.13  24.54   1.00   1.83  11.67   0.00  13.16 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   8.55  12.54  13.76  12.93  21.15   0.84   1.54   9.93   0.00  10.30 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   19.0  19.0  32.0 2  17.03  23.16  25.54  23.91  37.77   1.45   2.65  17.86   0.00  19.96 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0   9.0  25.0 2   8.06  12.09  13.48  12.53  27.56   0.76   1.37  10.23   0.00  11.26 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    4.0   2.0   6.0 2   4.08   6.25   7.17   6.54  19.68   0.55   0.98   8.51   0.00   6.19 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.03   7.91   8.76   8.18  19.41   0.66   1.19   8.52   0.00   7.16 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.64   8.69   9.63   8.98  19.26   0.67   1.21   8.66   0.00   7.79 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2   9.62  14.35  15.56  14.73  21.42   0.87   1.60  10.08   0.00  12.21 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   6.82  10.19  11.29  10.53  19.99   0.71   1.30   9.26   0.00   9.05 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2  18.70  26.12  28.33  26.82  35.99   1.47   2.70  17.06   0.00  22.54 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  14.75  20.76  22.62  21.34  30.09   1.22   2.25  14.34   0.00  17.22 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   21.0  17.0  43.0 2  16.86  23.46  25.56  24.12  33.85   1.37   2.52  16.08   0.00  19.55 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  18.03  24.66  27.14  25.44  41.56   1.54   2.81  19.56   0.00  21.13 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   16.0  12.0  35.0 2  23.63  31.69  34.87  32.69  65.43   2.34   4.30  29.87   0.00  28.11 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   5.43   8.11   9.16   8.44  19.37   0.62   1.12   8.80   0.00   7.34 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    9.0  10.0  16.0 2   7.81  11.07  12.49  11.52  22.41   0.74   1.35  10.60   0.00   9.93 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  11.42  16.26  17.76  16.74  24.62   1.02   1.88  11.71   0.00  13.19 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  13.77  19.25  21.03  19.81  28.58   1.19   2.19  13.62   0.00  15.75 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  14.14  19.39  21.45  20.04  33.03   1.23   2.27  15.70   0.00  16.27 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  25.0  39.0 2  11.27  16.07  17.55  16.54  24.38   1.01   1.87  11.59   0.00  13.03 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  19.0  29.0 2  19.82  26.46  29.28  27.35  53.38   1.94   3.57  24.74   0.00  22.93 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  23.0 2   5.06   7.79   8.70   8.08  19.29   0.64   1.17   8.56   0.00   6.55 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   14.0  14.0  24.0 2   6.67   9.85  10.98  10.21  20.10   0.70   1.27   9.32   0.00   8.48 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   9.07  13.13  14.44  13.55  22.13   0.87   1.59  10.45   0.00  10.75 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 2 13  36   33.0  33.0  54.0 2  13.17  19.03  20.43  19.47  23.42   1.14   2.12  11.12   0.00  14.94 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   26.0  28.0  43.0 2  15.53  21.63  23.51  22.23  30.09   1.31   2.43  14.34   0.00  17.68 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   20.0  21.0  34.0 2   8.96  12.99  14.29  13.40  21.97   0.86   1.58  10.37   0.00  10.63 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  20.0  20.0 2  16.68  22.10  24.75  22.94  44.10   1.59   2.88  20.69   0.00  19.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   13.0  11.0  21.0 2   4.60   7.18   8.05   7.45  20.68   0.63   1.14   8.65   0.00   6.42 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0  15.0  25.0 2   6.00   9.02  10.05   9.35  19.47   0.67   1.23   8.89   0.00   8.07 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   7.01  10.58  11.61  10.91  19.61   0.76   1.39   9.00   0.00   8.66 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   32.0  30.0  52.0 2   9.95  14.85  15.99  15.21  20.43   0.95   1.76   9.52   0.00  11.81 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  22.0  37.0 2  11.13  15.85  17.36  16.33  24.78   1.01   1.85  11.79   0.00  13.33 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   22.0  21.0  36.0 2   9.16  13.31  14.61  13.72  21.97   0.87   1.60  10.37   0.00  10.96 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   19.0  19.0  32.0 2  17.03  23.16  25.54  23.91  37.77   1.45   2.65  17.86   0.00  19.96 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   15.0   9.0  25.0 2   7.80  11.73  13.07  12.15  26.92   0.75   1.35  10.08   0.00  10.95 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36    4.0   2.0   6.0 2   4.08   6.25   7.17   6.54  19.66   0.55   0.98   8.51   0.00   6.19 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.13   8.04   8.91   8.31  19.35   0.66   1.19   8.53   0.00   7.27 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   5.66   8.71   9.66   9.01  19.27   0.67   1.21   8.67   0.00   7.81 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2   9.70  14.45  15.67  14.83  21.52   0.87   1.61  10.13   0.00  12.30 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   18.0  12.0  29.0 2   6.87  10.25  11.36  10.60  20.05   0.72   1.30   9.29   0.00   9.11 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 2 13  36   23.0  13.0  48.0 2  18.81  26.26  28.49  26.96  36.18   1.48   2.72  17.14   0.00  22.67 .443 .293 .135 .036 .002 .005 .086 .000
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5          PROMPT                        # No prompting, vertical format
2013 RAQC 6/16 strats; I/M 240 w/4 yr exempt; 80%RSD, 1.7% oxy
1          TAMFLG                        # Use MOBILE 5 tampering rates
1          SPDFLG                        # Use one speed for all vehicle types
2          VMFLAG                        # Each scenario has its own VMT mix
3          MYMRFG                        # Use local registration distribution
1          NEWFLG                        # Use MOBILE 5 BER's
6          IMFLAG                        # Use one I/M programs
1          ALHFLG                        # No additional correction factors
2          ATPFLG                        # Anti-tampering, no press/purge check
1          RLFLAG                        # Uncontrolled refueling emission rates
2          LOCFLG                        # Only one LAP record
2          TEMFLG                        # MOBILE 5 uses max and min temp.
2          OUTFMT                        # 80 column descriptive format
2          PRTFLG                        # Calculate CO only
1          IDLFLG                        # No idle emissions
3          NMHFLG                        # VOC emission factors
1          HCFLAG                        # No component emission factor output
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDGV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT1
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDGT2
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .066 .062 .049 .050 .052 .084 .096 .069 .064 .042  # Colorado HDGV
 .052 .054 .044 .030 .026 .025 .027 .027 .027 .018  # registration distribution
 .014 .011 .007 .004 .000
 .049 .065 .067 .074 .080 .083 .082 .068 .065 .043  # Colorado LDDV
 .058 .052 .045 .034 .028 .024 .021 .019 .017 .009  # registration distribution
 .007 .005 .003 .001 .001
 .058 .055 .044 .047 .047 .078 .071 .065 .062 .045  # Colorado LDDT
 .056 .060 .051 .035 .032 .031 .033 .033 .033 .021  # registration distribution
 .017 .013 .009 .004 .000
 .110 .095 .116 .113 .080 .102 .079 .062 .037 .050  # Colorado HDDV
 .048 .055 .044 .001 .001 .001 .001 .001 .001 .001  # registration distribution
 .001 .001 .000 .000 .000
 .001 .001 .001 .001 .001 .001 .001 .001 .001 .001  # Colorado MC
 .001 .989 .000 .000 .000 .000 .000 .000 .000 .000  # registration distribution
 .000 .000 .000 .000 .000
2 1 2 1
82 20 82 09 00 00 098 1 2 2221 4222   .6 10.0  1.5
82 20 82 09 00 00 098 1 2 1112 2222 220.  1.2 999.
TECH12RSD80.D
IMDATRSD80.D
82 75 09 2222 12 098. 22111112
                 C  26.  52. 12.4 12.4 92 2
.001 .999 .027 .017 2
4 13 19.8 27.0 16.0  8.0 16.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  1 CBD      PRINCIPAL ARTERIAL
4 13 18.7 27.0 16.0  8.0 16.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  1 CBD      MINOR ARTERIAL
4 13 15.9 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  1 CBD      COLLECTOR
4 13 11.2 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  1 CBD      LOCAL
4 13 35.9 27.0  8.0  1.0  8.0
01 1 1
.556.223.103.033.002.003.080.000   13 AM  1 FRINGE   FREEWAY
4 13 29.5 27.0  8.0  1.0  8.0
01 1 1
.556.223.103.033.002.003.080.000   13 AM  1 FRINGE   MAJOR REGIONAL
4 13 25.8 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   PRINCIPAL ARTERIAL
4 13 23.0 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   MINOR ARTERIAL
4 13 19.5 27.0 22.0  2.0 22.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   COLLECTOR
4 13 28.6 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   RAMP
4 13 14.1 27.0 22.0  1.0 23.0
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01 1 1
.652.159.073.032.002.003.079.000   13 AM  1 FRINGE   LOCAL
4 13 40.4 27.0 22.0  2.0 22.0
01 1 1
.629.192.089.025.002.003.060.000   13 AM  1 URBAN    FREEWAY
4 13 33.1 27.0 24.0  2.0 24.0
01 1 1
.569.231.106.026.002.004.062.000   13 AM  1 URBAN    MAJOR REGIONAL
4 13 30.2 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  1 URBAN    PRINCIPAL ARTERIAL
4 13 28.4 27.0 81.0  7.0 83.0
01 1 1
.668.176.081.020.002.003.050.000   13 AM  1 URBAN    MINOR ARTERIAL
4 13 23.0 27.0 69.0  7.0 71.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  1 URBAN    COLLECTOR
4 13 31.9 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  1 URBAN    RAMP
4 13 17.1 27.0 44.0  4.0 46.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  1 URBAN    LOCAL
4 13 46.2 27.0 28.0  2.0 28.0
01 1 1
.555.239.110.026.002.004.064.000   13 AM  1 SUBURBAN FREEWAY
4 13 35.4 27.0 19.0  2.0 19.0
01 1 1
.498.247.114.039.002.004.096.000   13 AM  1 SUBURBAN MAJOR REGIONAL
4 13 36.4 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  1 SUBURBAN PRINCIPAL ARTERIAL
4 13 32.8 27.0 77.0  8.0 77.0
01 1 1
.622.199.092.024.002.003.058.000   13 AM  1 SUBURBAN MINOR ARTERIAL
4 13 27.9 27.0 73.0  7.0 73.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  1 SUBURBAN COLLECTOR
4 13 29.5 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  1 SUBURBAN RAMP
4 13 19.8 27.0 52.0  5.0 52.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  1 SUBURBAN LOCAL
4 13 60.2 27.0 36.0  1.0 35.0
01 1 1
.373.227.105.085.001.004.205.000   13 AM  1 RURAL    FREEWAY
4 13 46.6 27.0  8.0  0.0  8.0
01 1 1
.477.230.106.053.002.004.128.000   13 AM  1 RURAL    MAJOR REGIONAL
4 13 42.5 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    PRINCIPAL ARTERIAL
4 13 43.1 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    MINOR ARTERIAL
4 13 32.2 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    COLLECTOR
4 13 35.5 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    RAMP
4 13 21.5 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  1 RURAL    LOCAL
4 13 15.5 27.0 16.0  8.0 16.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  2 CBD      PRINCIPAL ARTERIAL
4 13 14.1 27.0 16.0  8.0 16.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  2 CBD      MINOR ARTERIAL
4 13 13.5 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  2 CBD      COLLECTOR
4 13 11.2 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  2 CBD      LOCAL
4 13 29.4 27.0  8.0  1.0  8.0
01 1 1
.556.223.103.033.002.003.080.000   13 AM  2 FRINGE   FREEWAY
4 13 22.7 27.0  8.0  1.0  8.0
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01 1 1
.556.223.103.033.002.003.080.000   13 AM  2 FRINGE   MAJOR REGIONAL
4 13 19.9 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   PRINCIPAL ARTERIAL
4 13 18.3 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   MINOR ARTERIAL
4 13 15.8 27.0 22.0  2.0 22.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   COLLECTOR
4 13 24.5 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   RAMP
4 13 14.1 27.0 22.0  1.0 23.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  2 FRINGE   LOCAL
4 13 34.0 27.0 22.0  2.0 22.0
01 1 1
.629.192.089.025.002.003.060.000   13 AM  2 URBAN    FREEWAY
4 13 27.0 27.0 24.0  2.0 24.0
01 1 1
.569.231.106.026.002.004.062.000   13 AM  2 URBAN    MAJOR REGIONAL
4 13 25.3 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  2 URBAN    PRINCIPAL ARTERIAL
4 13 22.9 27.0 81.0  7.0 83.0
01 1 1
.668.176.081.020.002.003.050.000   13 AM  2 URBAN    MINOR ARTERIAL
4 13 20.6 27.0 69.0  7.0 71.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  2 URBAN    COLLECTOR
4 13 28.6 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  2 URBAN    RAMP
4 13 17.1 27.0 44.0  4.0 46.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  2 URBAN    LOCAL
4 13 39.6 27.0 28.0  2.0 28.0
01 1 1
.555.239.110.026.002.004.064.000   13 AM  2 SUBURBAN FREEWAY
4 13 28.5 27.0 19.0  2.0 19.0
01 1 1
.498.247.114.039.002.004.096.000   13 AM  2 SUBURBAN MAJOR REGIONAL
4 13 29.9 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  2 SUBURBAN PRINCIPAL ARTERIAL
4 13 26.6 27.0 77.0  8.0 77.0
01 1 1
.622.199.092.024.002.003.058.000   13 AM  2 SUBURBAN MINOR ARTERIAL
4 13 24.4 27.0 73.0  7.0 73.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  2 SUBURBAN COLLECTOR
4 13 26.2 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  2 SUBURBAN RAMP
4 13 19.8 27.0 52.0  5.0 52.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  2 SUBURBAN LOCAL
4 13 56.8 27.0 36.0  1.0 35.0
01 1 1
.373.227.105.085.001.004.205.000   13 AM  2 RURAL    FREEWAY
4 13 41.0 27.0  8.0  0.0  8.0
01 1 1
.477.230.106.053.002.004.128.000   13 AM  2 RURAL    MAJOR REGIONAL
4 13 38.4 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    PRINCIPAL ARTERIAL
4 13 41.7 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    MINOR ARTERIAL
4 13 30.8 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    COLLECTOR
4 13 31.8 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    RAMP
4 13 21.5 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  2 RURAL    LOCAL
4 13 11.3 27.0 16.0  8.0 16.0
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01 1 1
.580.219.101.028.002.003.067.000   13 AM  3 CBD      PRINCIPAL ARTERIAL
4 13 10.6 27.0 16.0  8.0 16.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  3 CBD      MINOR ARTERIAL
4 13 11.1 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  3 CBD      COLLECTOR
4 13 11.2 27.0  7.0 11.0  7.0
01 1 1
.580.219.101.028.002.003.067.000   13 AM  3 CBD      LOCAL
4 13 23.3 27.0  8.0  1.0  8.0
01 1 1
.556.223.103.033.002.003.080.000   13 AM  3 FRINGE   FREEWAY
4 13 16.5 27.0  8.0  1.0  8.0
01 1 1
.556.223.103.033.002.003.080.000   13 AM  3 FRINGE   MAJOR REGIONAL
4 13 15.0 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   PRINCIPAL ARTERIAL
4 13 14.5 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   MINOR ARTERIAL
4 13 12.9 27.0 22.0  2.0 22.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   COLLECTOR
4 13 20.7 27.0 41.0  5.0 42.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   RAMP
4 13 14.1 27.0 22.0  1.0 23.0
01 1 1
.652.159.073.032.002.003.079.000   13 AM  3 FRINGE   LOCAL
4 13 27.6 27.0 22.0  2.0 22.0
01 1 1
.629.192.089.025.002.003.060.000   13 AM  3 URBAN    FREEWAY
4 13 21.2 27.0 24.0  2.0 24.0
01 1 1
.569.231.106.026.002.004.062.000   13 AM  3 URBAN    MAJOR REGIONAL
4 13 20.7 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  3 URBAN    PRINCIPAL ARTERIAL
4 13 18.8 27.0 81.0  7.0 83.0
01 1 1
.668.176.081.020.002.003.050.000   13 AM  3 URBAN    MINOR ARTERIAL
4 13 17.9 27.0 69.0  7.0 71.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  3 URBAN    COLLECTOR
4 13 25.5 27.0 39.0  4.0 40.0
01 1 1
.626.195.090.025.002.003.059.000   13 AM  3 URBAN    RAMP
4 13 17.1 27.0 44.0  4.0 46.0
01 1 1
.637.186.086.025.002.003.061.000   13 AM  3 URBAN    LOCAL
4 13 31.7 27.0 28.0  2.0 28.0
01 1 1
.555.239.110.026.002.004.064.000   13 AM  3 SUBURBAN FREEWAY
4 13 22.9 27.0 19.0  2.0 19.0
01 1 1
.498.247.114.039.002.004.096.000   13 AM  3 SUBURBAN MAJOR REGIONAL
4 13 24.2 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  3 SUBURBAN PRINCIPAL ARTERIAL
4 13 21.2 27.0 77.0  8.0 77.0
01 1 1
.622.199.092.024.002.003.058.000   13 AM  3 SUBURBAN MINOR ARTERIAL
4 13 21.3 27.0 73.0  7.0 73.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  3 SUBURBAN COLLECTOR
4 13 23.6 27.0 39.0  3.0 39.0
01 1 1
.567.232.107.026.002.004.062.000   13 AM  3 SUBURBAN RAMP
4 13 19.8 27.0 52.0  5.0 52.0
01 1 1
.610.234.108.012.002.004.030.000   13 AM  3 SUBURBAN LOCAL
4 13 51.6 27.0 36.0  1.0 35.0
01 1 1
.373.227.105.085.001.004.205.000   13 AM  3 RURAL    FREEWAY
4 13 35.4 27.0  8.0  0.0  8.0
01 1 1
.477.230.106.053.002.004.128.000   13 AM  3 RURAL    MAJOR REGIONAL
4 13 33.9 27.0 13.0  1.0 13.0
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01 1 1
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    PRINCIPAL ARTERIAL
4 13 38.5 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    MINOR ARTERIAL
4 13 29.4 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    COLLECTOR
4 13 29.3 27.0 13.0  1.0 13.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    RAMP
4 13 21.5 27.0 57.0  2.0 57.0
01 1 1
.549.243.112.026.002.004.064.000   13 AM  3 RURAL    LOCAL
4 13 22.4 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  4 CBD      PRINCIPAL ARTERIAL
4 13 19.3 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  4 CBD      MINOR ARTERIAL
4 13 16.4 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  4 CBD      COLLECTOR
4 13 11.2 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  4 CBD      LOCAL
4 13 36.7 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  4 FRINGE   FREEWAY
4 13 31.6 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  4 FRINGE   MAJOR REGIONAL
4 13 27.0 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   PRINCIPAL ARTERIAL
4 13 23.8 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   MINOR ARTERIAL
4 13 20.8 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   COLLECTOR
4 13 27.4 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   RAMP
4 13 14.1 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  4 FRINGE   LOCAL
4 13 41.7 52.0  8.0  7.0 12.0
01 1 1
.603.212.098.024.002.003.058.000   13 PM  4 URBAN    FREEWAY
4 13 35.5 52.0 15.0 14.0 23.0
01 1 1
.573.246.113.018.002.004.044.000   13 PM  4 URBAN    MAJOR REGIONAL
4 13 31.0 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  4 URBAN    PRINCIPAL ARTERIAL
4 13 29.1 52.0 39.0 37.0 60.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  4 URBAN    MINOR ARTERIAL
4 13 23.8 52.0 24.0 24.0 38.0
01 1 1
.683.185.085.012.002.003.030.000   13 PM  4 URBAN    COLLECTOR
4 13 31.3 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  4 URBAN    RAMP
4 13 17.1 52.0 19.0 19.0 31.0
01 1 1
.683.185.085.012.002.003.030.000   13 PM  4 URBAN    LOCAL
4 13 50.5 52.0 13.0 10.0 19.0
01 1 1
.562.237.109.025.002.004.061.000   13 PM  4 SUBURBAN FREEWAY
4 13 39.1 52.0 14.0 23.0 22.0
01 1 1
.462.287.132.033.002.005.079.000   13 PM  4 SUBURBAN MAJOR REGIONAL
4 13 38.1 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  4 SUBURBAN PRINCIPAL ARTERIAL
4 13 35.9 52.0 25.0 24.0 37.0
01 1 1
.583.234.108.020.002.004.049.000   13 PM  4 SUBURBAN MINOR ARTERIAL
4 13 28.9 52.0 28.0 26.0 43.0
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01 1 1
.633.212.098.015.002.003.037.000   13 PM  4 SUBURBAN COLLECTOR
4 13 31.9 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  4 SUBURBAN RAMP
4 13 19.8 52.0 19.0 18.0 29.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  4 SUBURBAN LOCAL
4 13 61.5 52.0 16.0  9.0 23.0
01 1 1
.404.246.113.068.001.004.164.000   13 PM  4 RURAL    FREEWAY
4 13 48.4 52.0  3.0  2.0  5.0
01 1 1
.483.266.123.036.002.004.086.000   13 PM  4 RURAL    MAJOR REGIONAL
4 13 45.2 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    PRINCIPAL ARTERIAL
4 13 43.5 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    MINOR ARTERIAL
4 13 33.9 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    COLLECTOR
4 13 37.6 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    RAMP
4 13 21.3 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  4 RURAL    LOCAL
4 13 15.5 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  5 CBD      PRINCIPAL ARTERIAL
4 13 13.5 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  5 CBD      MINOR ARTERIAL
4 13 13.1 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  5 CBD      COLLECTOR
4 13 11.2 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  5 CBD      LOCAL
4 13 28.3 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  5 FRINGE   FREEWAY
4 13 25.0 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  5 FRINGE   MAJOR REGIONAL
4 13 19.6 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   PRINCIPAL ARTERIAL
4 13 17.8 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   MINOR ARTERIAL
4 13 17.7 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   COLLECTOR
4 13 23.0 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   RAMP
4 13 14.1 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  5 FRINGE   LOCAL
4 13 31.7 52.0  8.0  7.0 12.0
01 1 1
.603.212.098.024.002.003.058.000   13 PM  5 URBAN    FREEWAY
4 13 26.0 52.0 15.0 14.0 23.0
01 1 1
.573.246.113.018.002.004.044.000   13 PM  5 URBAN    MAJOR REGIONAL
4 13 24.3 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  5 URBAN    PRINCIPAL ARTERIAL
4 13 22.6 52.0 39.0 37.0 60.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  5 URBAN    MINOR ARTERIAL
4 13 21.2 52.0 24.0 24.0 38.0
01 1 1
.683.185.085.012.002.003.030.000   13 PM  5 URBAN    COLLECTOR
4 13 27.5 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  5 URBAN    RAMP
4 13 17.1 52.0 19.0 19.0 31.0
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01 1 1
.683.185.085.012.002.003.030.000   13 PM  5 URBAN    LOCAL
4 13 41.7 52.0 13.0 10.0 19.0
01 1 1
.562.237.109.025.002.004.061.000   13 PM  5 SUBURBAN FREEWAY
4 13 30.8 52.0 14.0 23.0 22.0
01 1 1
.462.287.132.033.002.005.079.000   13 PM  5 SUBURBAN MAJOR REGIONAL
4 13 31.1 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  5 SUBURBAN PRINCIPAL ARTERIAL
4 13 29.9 52.0 25.0 24.0 37.0
01 1 1
.583.234.108.020.002.004.049.000   13 PM  5 SUBURBAN MINOR ARTERIAL
4 13 26.1 52.0 28.0 26.0 43.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  5 SUBURBAN COLLECTOR
4 13 27.7 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  5 SUBURBAN RAMP
4 13 19.8 52.0 19.0 18.0 29.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  5 SUBURBAN LOCAL
4 13 58.5 52.0 16.0  9.0 23.0
01 1 1
.404.246.113.068.001.004.164.000   13 PM  5 RURAL    FREEWAY
4 13 44.5 52.0  3.0  2.0  5.0
01 1 1
.483.266.123.036.002.004.086.000   13 PM  5 RURAL    MAJOR REGIONAL
4 13 40.8 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    PRINCIPAL ARTERIAL
4 13 42.7 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    MINOR ARTERIAL
4 13 32.8 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    COLLECTOR
4 13 35.4 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    RAMP
4 13 21.3 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  5 RURAL    LOCAL
4 13 11.6 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  6 CBD      PRINCIPAL ARTERIAL
4 13  9.7 52.0 46.0 12.0 59.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  6 CBD      MINOR ARTERIAL
4 13 10.4 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  6 CBD      COLLECTOR
4 13 11.2 52.0 45.0  8.0 56.0
01 1 1
.633.178.082.030.002.003.072.000   13 PM  6 CBD      LOCAL
4 13 22.6 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  6 FRINGE   FREEWAY
4 13 19.5 52.0  8.0  7.0 12.0
01 1 1
.533.246.113.030.002.004.072.000   13 PM  6 FRINGE   MAJOR REGIONAL
4 13 15.1 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   PRINCIPAL ARTERIAL
4 13 13.6 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   MINOR ARTERIAL
4 13 14.1 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   COLLECTOR
4 13 19.5 52.0 30.0 19.0 43.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   RAMP
4 13 14.1 52.0 34.0 14.0 46.0
01 1 1
.614.198.091.027.002.003.065.000   13 PM  6 FRINGE   LOCAL
4 13 25.2 52.0  8.0  7.0 12.0
01 1 1
.603.212.098.024.002.003.058.000   13 PM  6 URBAN    FREEWAY
4 13 20.7 52.0 15.0 14.0 23.0
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01 1 1
.573.246.113.018.002.004.044.000   13 PM  6 URBAN    MAJOR REGIONAL
4 13 19.4 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  6 URBAN    PRINCIPAL ARTERIAL
4 13 17.5 52.0 39.0 37.0 60.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  6 URBAN    MINOR ARTERIAL
4 13 18.5 52.0 24.0 24.0 38.0
01 1 1
.683.185.085.012.002.003.030.000   13 PM  6 URBAN    COLLECTOR
4 13 24.9 52.0 19.0 17.0 30.0
01 1 1
.609.212.098.022.002.003.054.000   13 PM  6 URBAN    RAMP
4 13 17.1 52.0 19.0 19.0 31.0
01 1 1
.683.185.085.012.002.003.030.000   13 PM  6 URBAN    LOCAL
4 13 34.6 52.0 13.0 10.0 19.0
01 1 1
.562.237.109.025.002.004.061.000   13 PM  6 SUBURBAN FREEWAY
4 13 25.2 52.0 14.0 23.0 22.0
01 1 1
.462.287.132.033.002.005.079.000   13 PM  6 SUBURBAN MAJOR REGIONAL
4 13 25.4 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  6 SUBURBAN PRINCIPAL ARTERIAL
4 13 24.2 52.0 25.0 24.0 37.0
01 1 1
.583.234.108.020.002.004.049.000   13 PM  6 SUBURBAN MINOR ARTERIAL
4 13 23.3 52.0 28.0 26.0 43.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  6 SUBURBAN COLLECTOR
4 13 25.4 52.0 12.0 11.0 18.0
01 1 1
.544.259.119.021.002.004.051.000   13 PM  6 SUBURBAN RAMP
4 13 19.8 52.0 19.0 18.0 29.0
01 1 1
.633.212.098.015.002.003.037.000   13 PM  6 SUBURBAN LOCAL
4 13 53.9 52.0 16.0  9.0 23.0
01 1 1
.404.246.113.068.001.004.164.000   13 PM  6 RURAL    FREEWAY
4 13 39.0 52.0  3.0  2.0  5.0
01 1 1
.483.266.123.036.002.004.086.000   13 PM  6 RURAL    MAJOR REGIONAL
4 13 37.1 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    PRINCIPAL ARTERIAL
4 13 39.9 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    MINOR ARTERIAL
4 13 31.7 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    COLLECTOR
4 13 32.9 52.0 16.0 13.0 24.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    RAMP
4 13 21.3 52.0 23.0 13.0 34.0
01 1 1
.602.226.104.018.002.004.044.000   13 PM  6 RURAL    LOCAL
4 13 27.0 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      PRINCIPAL ARTERIAL
4 13 25.1 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      MINOR ARTERIAL
4 13 20.0 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      COLLECTOR
4 13 11.2 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 7 CBD      LOCAL
4 13 55.0 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 7 FRINGE   FREEWAY
4 13 39.8 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 7 FRINGE   MAJOR REGIONAL
4 13 35.0 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   PRINCIPAL ARTERIAL
4 13 30.0 36.0 22.0 25.0 39.0
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01 1 1
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   MINOR ARTERIAL
4 13 25.0 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   COLLECTOR
4 13 38.9 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   RAMP
4 13 14.1 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 7 FRINGE   LOCAL
4 13 58.0 36.0 14.0 14.0 23.0
01 1 1
.603.205.095.027.002.003.065.000   13 OFF 7 URBAN    FREEWAY
4 13 45.0 36.0 14.0 14.0 24.0
01 1 1
.533.253.116.027.002.004.065.000   13 OFF 7 URBAN    MAJOR REGIONAL
4 13 37.0 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 7 URBAN    PRINCIPAL ARTERIAL
4 13 35.0 36.0 33.0 33.0 54.0
01 1 1
.643.185.085.024.002.003.058.000   13 OFF 7 URBAN    MINOR ARTERIAL
4 13 25.0 36.0 26.0 28.0 43.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 7 URBAN    COLLECTOR
4 13 39.0 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 7 URBAN    RAMP
4 13 17.1 36.0 18.0 20.0 20.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 7 URBAN    LOCAL
4 13 58.0 36.0 13.0 11.0 21.0
01 1 1
.534.238.110.033.002.004.079.000   13 OFF 7 SUBURBAN FREEWAY
4 13 45.0 36.0 15.0 15.0 25.0
01 1 1
.463.280.129.036.002.004.086.000   13 OFF 7 SUBURBAN MAJOR REGIONAL
4 13 45.0 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 7 SUBURBAN PRINCIPAL ARTERIAL
4 13 39.8 36.0 32.0 30.0 52.0
01 1 1
.594.217.100.025.002.003.059.000   13 OFF 7 SUBURBAN MINOR ARTERIAL
4 13 30.0 36.0 23.0 22.0 37.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF 7 SUBURBAN COLLECTOR
4 13 39.0 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 7 SUBURBAN RAMP
4 13 19.7 36.0 19.0 19.0 32.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF 7 SUBURBAN LOCAL
4 13 63.0 36.0 15.0  9.0 25.0
01 1 1
.423.226.104.071.001.004.171.000   13 OFF 7 RURAL    FREEWAY
4 13 49.0 36.0  4.0  2.0  6.0
01 1 1
.473.246.113.047.002.004.115.000   13 OFF 7 RURAL    MAJOR REGIONAL
4 13 48.0 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    PRINCIPAL ARTERIAL
4 13 44.0 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    MINOR ARTERIAL
4 13 35.0 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    COLLECTOR
4 13 39.1 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    RAMP
4 13 20.6 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 7 RURAL    LOCAL
4 13 26.2 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      PRINCIPAL ARTERIAL
4 13 24.3 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      MINOR ARTERIAL
4 13 19.3 36.0 16.0 12.0 35.0
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01 1 1
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      COLLECTOR
4 13 11.2 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 8 CBD      LOCAL
4 13 51.3 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 8 FRINGE   FREEWAY
4 13 38.4 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 8 FRINGE   MAJOR REGIONAL
4 13 34.0 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   PRINCIPAL ARTERIAL
4 13 28.9 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   MINOR ARTERIAL
4 13 24.4 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   COLLECTOR
4 13 36.2 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   RAMP
4 13 14.1 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 8 FRINGE   LOCAL
4 13 54.7 36.0 14.0 14.0 23.0
01 1 1
.603.205.095.027.002.003.065.000   13 OFF 8 URBAN    FREEWAY
4 13 43.3 36.0 14.0 14.0 24.0
01 1 1
.533.253.116.027.002.004.065.000   13 OFF 8 URBAN    MAJOR REGIONAL
4 13 36.3 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 8 URBAN    PRINCIPAL ARTERIAL
4 13 34.3 36.0 33.0 33.0 54.0
01 1 1
.643.185.085.024.002.003.058.000   13 OFF 8 URBAN    MINOR ARTERIAL
4 13 24.8 36.0 26.0 28.0 43.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 8 URBAN    COLLECTOR
4 13 36.7 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 8 URBAN    RAMP
4 13 17.1 36.0 18.0 20.0 20.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 8 URBAN    LOCAL
4 13 57.0 36.0 13.0 11.0 21.0
01 1 1
.534.238.110.033.002.004.079.000   13 OFF 8 SUBURBAN FREEWAY
4 13 44.4 36.0 15.0 15.0 25.0
01 1 1
.463.280.129.036.002.004.086.000   13 OFF 8 SUBURBAN MAJOR REGIONAL
4 13 44.1 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 8 SUBURBAN PRINCIPAL ARTERIAL
4 13 39.3 36.0 32.0 30.0 52.0
01 1 1
.594.217.100.025.002.003.059.000   13 OFF 8 SUBURBAN MINOR ARTERIAL
4 13 29.9 36.0 23.0 22.0 37.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF 8 SUBURBAN COLLECTOR
4 13 36.6 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 8 SUBURBAN RAMP
4 13 19.8 36.0 19.0 19.0 32.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF 8 SUBURBAN LOCAL
4 13 62.9 36.0 15.0  9.0 25.0
01 1 1
.423.226.104.071.001.004.171.000   13 OFF 8 RURAL    FREEWAY
4 13 49.0 36.0  4.0  2.0  6.0
01 1 1
.473.246.113.047.002.004.115.000   13 OFF 8 RURAL    MAJOR REGIONAL
4 13 47.6 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    PRINCIPAL ARTERIAL
4 13 44.0 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    MINOR ARTERIAL
4 13 34.8 36.0 23.0 13.0 48.0
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01 1 1
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    COLLECTOR
4 13 38.9 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    RAMP
4 13 20.6 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 8 RURAL    LOCAL
4 13 25.4 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      PRINCIPAL ARTERIAL
4 13 23.3 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      MINOR ARTERIAL
4 13 18.7 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      COLLECTOR
4 13 11.2 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF 9 CBD      LOCAL
4 13 46.5 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 9 FRINGE   FREEWAY
4 13 35.9 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF 9 FRINGE   MAJOR REGIONAL
4 13 31.9 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   PRINCIPAL ARTERIAL
4 13 27.6 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   MINOR ARTERIAL
4 13 23.2 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   COLLECTOR
4 13 33.0 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   RAMP
4 13 14.1 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF 9 FRINGE   LOCAL
4 13 50.3 36.0 14.0 14.0 23.0
01 1 1
.603.205.095.027.002.003.065.000   13 OFF 9 URBAN    FREEWAY
4 13 41.3 36.0 14.0 14.0 24.0
01 1 1
.533.253.116.027.002.004.065.000   13 OFF 9 URBAN    MAJOR REGIONAL
4 13 35.1 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 9 URBAN    PRINCIPAL ARTERIAL
4 13 33.0 36.0 33.0 33.0 54.0
01 1 1
.643.185.085.024.002.003.058.000   13 OFF 9 URBAN    MINOR ARTERIAL
4 13 24.6 36.0 26.0 28.0 43.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 9 URBAN    COLLECTOR
4 13 35.1 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF 9 URBAN    RAMP
4 13 17.1 36.0 18.0 20.0 20.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF 9 URBAN    LOCAL
4 13 54.9 36.0 13.0 11.0 21.0
01 1 1
.534.238.110.033.002.004.079.000   13 OFF 9 SUBURBAN FREEWAY
4 13 43.2 36.0 15.0 15.0 25.0
01 1 1
.463.280.129.036.002.004.086.000   13 OFF 9 SUBURBAN MAJOR REGIONAL
4 13 42.4 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 9 SUBURBAN PRINCIPAL ARTERIAL
4 13 38.6 36.0 32.0 30.0 52.0
01 1 1
.594.217.100.025.002.003.059.000   13 OFF 9 SUBURBAN MINOR ARTERIAL
4 13 29.7 36.0 23.0 22.0 37.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF 9 SUBURBAN COLLECTOR
4 13 35.3 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF 9 SUBURBAN RAMP
4 13 19.8 36.0 19.0 19.0 32.0
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01 1 1
.553.273.126.012.002.004.030.000   13 OFF 9 SUBURBAN LOCAL
4 13 62.6 36.0 15.0  9.0 25.0
01 1 1
.423.226.104.071.001.004.171.000   13 OFF 9 RURAL    FREEWAY
4 13 49.0 36.0  4.0  2.0  6.0
01 1 1
.473.246.113.047.002.004.115.000   13 OFF 9 RURAL    MAJOR REGIONAL
4 13 47.2 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    PRINCIPAL ARTERIAL
4 13 43.9 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    MINOR ARTERIAL
4 13 34.7 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    COLLECTOR
4 13 38.7 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    RAMP
4 13 20.7 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF 9 RURAL    LOCAL
4 13 24.4 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF10 CBD      PRINCIPAL ARTERIAL
4 13 21.9 36.0 21.0 17.0 43.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF10 CBD      MINOR ARTERIAL
4 13 18.1 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF10 CBD      COLLECTOR
4 13 11.2 36.0 16.0 12.0 35.0
01 1 1
.575.218.100.030.002.003.072.000   13 OFF10 CBD      LOCAL
4 13 42.2 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF10 FRINGE   FREEWAY
4 13 32.8 36.0  9.0 10.0 16.0
01 1 1
.503.246.113.039.002.004.093.000   13 OFF10 FRINGE   MAJOR REGIONAL
4 13 29.6 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   PRINCIPAL ARTERIAL
4 13 25.6 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   MINOR ARTERIAL
4 13 22.4 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   COLLECTOR
4 13 29.9 36.0 22.0 25.0 39.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   RAMP
4 13 14.1 36.0 15.0 19.0 29.0
01 1 1
.633.192.088.024.002.003.058.000   13 OFF10 FRINGE   LOCAL
4 13 45.8 36.0 14.0 14.0 23.0
01 1 1
.603.205.095.027.002.003.065.000   13 OFF10 URBAN    FREEWAY
4 13 38.3 36.0 14.0 14.0 24.0
01 1 1
.533.253.116.027.002.004.065.000   13 OFF10 URBAN    MAJOR REGIONAL
4 13 33.3 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF10 URBAN    PRINCIPAL ARTERIAL
4 13 31.2 36.0 33.0 33.0 54.0
01 1 1
.643.185.085.024.002.003.058.000   13 OFF10 URBAN    MINOR ARTERIAL
4 13 24.4 36.0 26.0 28.0 43.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF10 URBAN    COLLECTOR
4 13 33.6 36.0 20.0 21.0 34.0
01 1 1
.615.215.099.019.002.003.047.000   13 OFF10 URBAN    RAMP
4 13 17.1 36.0 18.0 20.0 20.0
01 1 1
.643.212.098.012.002.003.030.000   13 OFF10 URBAN    LOCAL
4 13 52.6 36.0 13.0 11.0 21.0
01 1 1
.534.238.110.033.002.004.079.000   13 OFF10 SUBURBAN FREEWAY
4 13 41.4 36.0 15.0 15.0 25.0
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01 1 1
.463.280.129.036.002.004.086.000   13 OFF10 SUBURBAN MAJOR REGIONAL
4 13 40.5 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF10 SUBURBAN PRINCIPAL ARTERIAL
4 13 37.2 36.0 32.0 30.0 52.0
01 1 1
.594.217.100.025.002.003.059.000   13 OFF10 SUBURBAN MINOR ARTERIAL
4 13 29.4 36.0 23.0 22.0 37.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF10 SUBURBAN COLLECTOR
4 13 33.6 36.0 22.0 21.0 36.0
01 1 1
.593.212.098.027.002.003.065.000   13 OFF10 SUBURBAN RAMP
4 13 19.8 36.0 19.0 19.0 32.0
01 1 1
.553.273.126.012.002.004.030.000   13 OFF10 SUBURBAN LOCAL
4 13 62.0 36.0 15.0  9.0 25.0
01 1 1
.423.226.104.071.001.004.171.000   13 OFF10 RURAL    FREEWAY
4 13 48.9 36.0  4.0  2.0  6.0
01 1 1
.473.246.113.047.002.004.115.000   13 OFF10 RURAL    MAJOR REGIONAL
4 13 46.6 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    PRINCIPAL ARTERIAL
4 13 43.8 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    MINOR ARTERIAL
4 13 34.5 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    COLLECTOR
4 13 38.5 36.0 18.0 12.0 29.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    RAMP
4 13 20.6 36.0 23.0 13.0 48.0
01 1 1
.443.293.135.036.002.005.086.000   13 OFF10 RURAL    LOCAL
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12013 RAQC 6/16 strats; I/M 240 w/4 yr exempt; 80%RSD, 1.7% oxy
 MOBILE5b (14-Sep-96)
0
-M 22 Warning:
+               0.346E-01 mileage with zero registration
-M 22 Warning:
+               0.626E-01 mileage with zero registration
-M 22 Warning:
+               0.373E-01 mileage with zero registration
-M 22 Warning:
+               0.222E-01 mileage with zero registration
0R                          P
 e    Amb.                  o                        Composite Emission Factors                                   Vehicle Mix
 g CY Tmp   Cold/Hot Start  l  LDGV   LDGT1  LDGT2  LDGT   HDGV   LDDV   LDDT   HDDV    MC   AllVeh LDGV LDGT1LDGT2HDGV LDDV LDDT HDDV  MC
 - -- ---- ---------------- - ------------------------------------------------------------------------------ --------------------------------------
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  14.76  21.89  25.72  23.10  18.68   1.27   1.41  10.65   0.00  17.19 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  15.34  22.66  26.62  23.91  19.86   1.35   1.50  11.28   0.00  17.87 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  15.48  22.35  26.74  23.74  23.49   1.50   1.67  13.22   0.00  18.13 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  18.96  27.00  32.29  28.67  32.36   2.01   2.26  17.80   0.00  22.28 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2   6.43  10.24  12.24  10.87  10.34   0.64   0.71   5.84   0.00   7.93 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2   8.41  12.95  15.48  13.75  12.22   0.77   0.85   7.01   0.00  10.13 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  13.06  20.52  23.10  21.33  14.02   1.15   1.27   8.05   0.00  14.56 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  15.08  23.39  26.34  24.32  15.87   1.30   1.44   9.10   0.00  16.71 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2  15.77  23.63  27.48  24.84  18.99   1.32   1.46  10.81   0.00  17.52 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  11.44  18.21  20.50  18.93  12.60   1.04   1.14   7.23   0.00  12.83 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   1.0  23.0 2  18.85  27.92  32.42  29.33  26.40   1.80   1.99  14.74   0.00  21.11 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2   6.07  10.08  11.72  10.60   9.71   0.65   0.72   5.37   0.00   7.36 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   24.0   2.0  24.0 2   8.20  13.12  15.21  13.78  11.00   0.78   0.86   6.27   0.00   9.99 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   4.0  40.0 2  10.51  16.83  19.01  17.52  11.94   0.97   1.06   6.84   0.00  12.28 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   81.0   7.0  83.0 2  18.46  29.73  31.92  30.42  12.69   1.49   1.63   7.28   0.00  20.77 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1 13  27   69.0   7.0  71.0 2  21.02  32.97  35.81  33.87  15.87   1.68   1.84   9.10   0.00  23.56 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   4.0  40.0 2   9.77  15.77  17.81  16.41  11.36   0.91   1.01   6.49   0.00  11.46 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   44.0   4.0  46.0 2  20.49  31.18  34.92  32.36  21.81   1.81   2.00  12.33   0.00  23.16 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   28.0   2.0  28.0 2   5.17   8.97  10.32   9.40   9.55   0.65   0.72   5.09   0.00   6.73 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   19.0   2.0  19.0 2   7.18  11.55  13.51  12.17  10.44   0.71   0.78   5.91   0.00   8.94 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2   8.06  13.33  15.08  13.88  10.25   0.81   0.89   5.77   0.00   9.91 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   77.0   8.0  77.0 2  14.29  23.48  25.35  24.07  11.08   1.24   1.36   6.32   0.00  16.53 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   73.0   7.0  73.0 2  16.80  26.96  29.23  27.68  12.92   1.39   1.53   7.42   0.00  20.10 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2  10.75  17.15  19.40  17.86  12.22   0.98   1.08   7.01   0.00  12.91 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   52.0   5.0  52.0 2  20.20  31.07  34.51  32.16  18.68   1.66   1.83  10.65   0.00  23.87 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   36.0   1.0  35.0 2   7.59  12.92  14.71  13.49  12.47   0.78   0.85   5.76   0.00   9.56 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   0.0   8.0 2   4.34   7.36   8.80   7.82   9.57   0.56   0.62   5.08   0.00   5.86 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   5.23   8.70  10.29   9.20   9.57   0.60   0.66   5.23   0.00   6.72 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   5.12   8.54  10.11   9.04   9.55   0.59   0.65   5.20   0.00   6.60 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  11.38  18.62  20.57  19.23  11.26   1.03   1.13   6.43   0.00  13.79 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   6.81  10.88  12.88  11.51  10.42   0.67   0.74   5.89   0.00   8.48 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  19.06  29.68  32.80  30.67  17.08   1.56   1.71   9.77   0.00  22.43 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  16.91  24.79  29.12  26.16  24.09   1.62   1.80  13.54   0.00  19.77 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  17.82  26.03  30.57  27.46  26.40   1.76   1.96  14.74   0.00  20.86 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  16.96  24.32  29.09  25.83  27.50   1.73   1.94  15.31   0.00  19.90 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  18.96  27.00  32.29  28.67  32.36   2.01   2.26  17.80   0.00  22.28 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2   8.45  13.00  15.54  13.80  12.26   0.77   0.86   7.03   0.00  10.17 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2  11.73  17.51  20.93  18.59  16.10   1.01   1.12   9.23   0.00  13.86 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  17.97  27.52  30.98  28.61  18.58   1.52   1.67  10.59   0.00  19.79 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  19.00  28.93  32.58  30.08  20.32   1.65   1.82  11.53   0.00  20.94 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2  17.56  26.09  30.34  27.42  23.64   1.62   1.79  13.30   0.00  19.63 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  13.94  21.77  24.51  22.64  14.82   1.22   1.35   8.51   0.00  15.49 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   1.0  23.0 2  18.85  27.92  32.42  29.33  26.40   1.80   1.99  14.74   0.00  21.11 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2   7.77  12.46  14.49  13.11  10.76   0.75   0.82   6.11   0.00   9.21 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   24.0   2.0  24.0 2  10.74  16.69  19.34  17.52  13.36   0.95   1.05   7.68   0.00  12.85 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   4.0  40.0 2  13.21  20.68  23.35  21.52  14.31   1.16   1.28   8.22   0.00  15.25 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   81.0   7.0  83.0 2  24.23  38.07  40.87  38.95  15.95   1.87   2.05   9.14   0.00  26.98 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   69.0   7.0  71.0 2  24.03  37.31  40.53  38.33  17.90   1.88   2.06  10.22   0.00  26.82 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   4.0  40.0 2  11.29  17.94  20.26  18.67  12.60   1.02   1.12   7.23   0.00  13.14 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   44.0   4.0  46.0 2  20.49  31.18  34.92  32.36  21.81   1.81   2.00  12.33   0.00  23.16 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   28.0   2.0  28.0 2   6.56  10.92  12.57  11.44   9.78   0.69   0.77   5.44   0.00   8.24 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   19.0   2.0  19.0 2   9.62  14.96  17.49  15.76  12.64   0.87   0.96   7.26   0.00  11.67 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2  10.56  16.88  19.10  17.58  12.06   0.96   1.06   6.91   0.00  12.69 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   77.0   8.0  77.0 2  18.84  30.05  32.43  30.80  13.57   1.53   1.67   7.80   0.00  21.47 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   73.0   7.0  73.0 2  19.92  31.47  34.11  32.30  14.88   1.61   1.76   8.55   0.00  23.64 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2  12.53  19.69  22.27  20.50  13.79   1.11   1.22   7.92   0.00  14.91 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   52.0   5.0  52.0 2  20.20  31.07  34.51  32.16  18.68   1.66   1.83  10.65   0.00  23.87 .610 .234 .108 .012 .002 .004 .030 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   36.0   1.0  35.0 2   5.98  10.41  11.85  10.86  11.23   0.73   0.80   5.41   0.00   7.91 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   0.0   8.0 2   5.30   8.68  10.38   9.22   9.66   0.58   0.64   5.33   0.00   6.82 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   6.08   9.88  11.69  10.45   9.93   0.63   0.70   5.55   0.00   7.67 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   5.38   8.91  10.54   9.42   9.61   0.60   0.66   5.28   0.00   6.89 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  12.08  19.63  21.69  20.28  11.72   1.07   1.18   6.71   0.00  14.57 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   7.92  12.43  14.70  13.14  11.39   0.74   0.82   6.51   0.00   9.73 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  19.06  29.68  32.80  30.67  17.08   1.56   1.71   9.77   0.00  22.43 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  20.32  29.41  34.55  31.03  32.12   2.11   2.35  17.68   0.00  23.81 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   16.0   8.0  16.0 2  21.15  30.54  35.87  32.22  33.83   2.21   2.46  18.55   0.00  24.78 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  19.07  27.14  32.46  28.82  32.60   2.03   2.27  17.92   0.00  22.41 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    7.0  11.0   7.0 2  18.96  27.00  32.29  28.67  32.36   2.01   2.26  17.80   0.00  22.28 .580 .219 .101 .028 .002 .003 .067 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2  11.36  17.00  20.32  18.05  15.65   0.99   1.09   8.97   0.00  13.44 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   1.0   8.0 2  15.34  22.41  26.79  23.79  22.62   1.40   1.55  12.76   0.00  18.06 .556 .223 .103 .033 .002 .003 .080 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  21.10  31.86  35.87  33.12  24.88   2.00   2.21  13.95   0.00  23.35 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  21.50  32.42  36.50  33.71  25.71   2.06   2.27  14.38   0.00  23.81 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2  19.69  29.00  33.72  30.48  28.66   1.94   2.14  15.91   0.00  22.09 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   41.0   5.0  42.0 2  17.14  26.34  29.65  27.38  17.80   1.46   1.61  10.17   0.00  18.91 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   1.0  23.0 2  18.85  27.92  32.42  29.33  26.40   1.80   1.99  14.74   0.00  21.11 .652 .159 .073 .032 .002 .003 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   22.0   2.0  22.0 2  10.26  15.95  18.55  16.78  13.06   0.91   1.01   7.50   0.00  11.95 .629 .192 .089 .025 .002 .003 .060 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   24.0   2.0  24.0 2  14.51  21.97  25.47  23.07  17.35   1.23   1.36   9.92   0.00  17.11 .569 .231 .106 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1 13  27   39.0   4.0  40.0 2  16.91  25.94  29.30  27.00  17.80   1.43   1.58  10.17   0.00  19.33 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   81.0   7.0  83.0 2  29.96  46.28  49.68  47.36  19.75   2.30   2.51  11.22   0.00  33.15 .668 .176 .081 .020 .002 .003 .050 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   69.0   7.0  71.0 2  26.78  41.20  44.75  42.32  20.80   2.17   2.38  11.79   0.00  29.82 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   4.0  40.0 2  13.08  20.49  23.14  21.33  14.19   1.15   1.27   8.15   0.00  15.11 .626 .195 .090 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   44.0   4.0  46.0 2  20.49  31.18  34.92  32.36  21.81   1.81   2.00  12.33   0.00  23.16 .637 .186 .086 .025 .002 .003 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   28.0   2.0  28.0 2   8.97  14.32  16.49  15.00  11.42   0.83   0.92   6.52   0.00  10.94 .555 .239 .110 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   19.0   2.0  19.0 2  12.68  19.23  22.49  20.26  15.95   1.09   1.21   9.14   0.00  15.14 .498 .247 .114 .039 .002 .004 .096 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2  13.85  21.56  24.40  22.46  15.02   1.20   1.32   8.62   0.00  16.40 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   77.0   8.0  77.0 2  24.97  38.89  41.97  39.86  17.35   1.95   2.13   9.92   0.00  28.13 .622 .199 .092 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   73.0   7.0  73.0 2  23.54  36.69  39.77  37.66  17.26   1.85   2.03   9.87   0.00  27.76 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   39.0   3.0  39.0 2  14.29  22.19  25.10  23.11  15.43   1.24   1.36   8.85   0.00  16.89 .567 .232 .107 .026 .002 .004 .062 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   52.0   5.0  52.0 2  20.20  31.07  34.51  32.16  18.68   1.66   1.83  10.65   0.00  23.87 .610 .234 .108 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   36.0   1.0  35.0 2   5.13   9.07  10.33   9.47  10.06   0.69   0.76   5.12   0.00   6.97 .373 .227 .105 .085 .001 .004 .205 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27    8.0   0.0   8.0 2   6.56  10.41  12.45  11.05  10.44   0.65   0.71   5.91   0.00   8.16 .477 .230 .106 .053 .002 .004 .128 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   7.26  11.51  13.62  12.17  10.79   0.70   0.77   6.13   0.00   8.98 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   6.06   9.85  11.65  10.42   9.91   0.63   0.70   5.54   0.00   7.64 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  12.85  20.73  22.91  21.42  12.26   1.13   1.23   7.03   0.00  15.43 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   13.0   1.0  13.0 2   8.83  13.69  16.20  14.48  12.30   0.80   0.89   7.05   0.00  10.77 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  27   57.0   2.0  57.0 2  19.06  29.68  32.80  30.67  17.08   1.56   1.71   9.77   0.00  22.43 .549 .243 .112 .026 .002 .004 .064 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  14.61  21.27  24.03  22.14  15.55   1.54   1.72   9.36   0.00  16.15 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  17.36  24.92  28.15  25.94  18.28   1.80   2.01  10.93   0.00  19.08 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  17.93  25.64  29.07  26.72  21.68   2.03   2.26  12.84   0.00  19.89 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  22.33  31.44  35.65  32.77  30.81   2.81   3.13  17.80   0.00  24.88 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   5.33   8.11   9.69   8.61   9.70   0.66   0.73   5.74   0.00   6.64 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   6.56   9.72  11.62  10.32  10.90   0.75   0.84   6.54   0.00   8.00 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  10.29  15.11  17.34  15.81  12.72   1.14   1.29   7.68   0.00  11.74 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  12.06  17.47  20.04  18.28  14.56   1.31   1.48   8.77   0.00  13.66 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  14.29  20.53  23.50  21.46  16.86   1.51   1.70  10.12   0.00  16.09 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  10.10  14.86  17.05  15.55  12.53   1.12   1.27   7.56   0.00  11.53 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  18.30  25.78  29.51  26.96  25.14   2.20   2.48  14.74   0.00  20.68 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   4.42   6.92   8.27   7.34   9.15   0.60   0.67   5.28   0.00   5.47 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   15.0  14.0  23.0 2   5.99   9.11  10.72   9.62   9.92   0.74   0.84   5.89   0.00   7.33 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2   7.53  11.23  13.09  11.82  11.10   0.89   1.01   6.67   0.00   8.86 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   39.0  37.0  60.0 2  12.30  18.03  20.24  18.73  11.79   1.33   1.54   7.10   0.00  14.04 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   24.0  24.0  38.0 2  11.79  16.96  19.55  17.78  14.56   1.28   1.46   8.77   0.00  13.30 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2   7.43  11.10  12.94  11.68  11.00   0.88   1.00   6.61   0.00   8.75 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  19.0  31.0 2  14.68  20.60  23.97  21.66  20.77   1.67   1.89  12.33   0.00  16.50 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   13.0  10.0  19.0 2   3.69   6.04   7.15   6.39   9.43   0.61   0.69   5.09   0.00   4.83 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   14.0  23.0  22.0 2   5.22   8.05   9.46   8.49   9.37   0.71   0.81   5.48   0.00   6.72 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   5.24   8.06   9.55   8.53   9.49   0.67   0.75   5.58   0.00   6.56 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   25.0  24.0  37.0 2   6.79  10.36  11.96  10.86   9.85   0.85   0.97   5.84   0.00   8.17 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   28.0  26.0  43.0 2   9.78  14.40  16.50  15.07  11.87   1.10   1.26   7.15   0.00  11.31 .633 .212 .098 .015 .002 .003 .037 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   6.72  10.00  11.85  10.59  10.81   0.78   0.88   6.49   0.00   8.22 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  18.0  29.0 2  13.17  18.65  21.76  19.63  17.79   1.42   1.61  10.65   0.00  15.09 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0   9.0  23.0 2   6.04   9.49  11.18  10.02  12.44   0.73   0.82   5.93   0.00   7.86 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    3.0   2.0   5.0 2   3.37   5.48   6.62   5.84   9.22   0.54   0.60   5.07   0.00   4.67 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   4.20   6.77   7.96   7.15   9.07   0.65   0.73   5.12   0.00   5.28 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   4.46   7.12   8.36   7.51   9.08   0.66   0.74   5.18   0.00   5.56 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2   6.79  10.34  12.00  10.86  10.27   0.83   0.93   6.13   0.00   8.13 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   5.55   8.55  10.04   9.02   9.56   0.71   0.80   5.63   0.00   6.74 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2  12.35  17.72  20.56  18.62  16.43   1.33   1.50   9.87   0.00  14.32 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  19.44  27.65  31.24  28.78  22.94   2.23   2.49  13.54   0.00  21.46 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  21.00  29.71  33.56  30.92  26.18   2.52   2.82  15.31   0.00  23.23 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  20.32  28.78  32.64  30.00  26.91   2.48   2.76  15.71   0.00  22.62 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  22.33  31.44  35.65  32.77  30.81   2.81   3.13  17.80   0.00  24.88 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   7.59  11.07  13.23  11.75  12.12   0.83   0.93   7.31   0.00   9.16 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   8.89  12.77  15.27  13.56  13.81   0.95   1.06   8.33   0.00  10.63 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  15.33  21.77  24.98  22.78  17.98   1.60   1.81  10.76   0.00  17.19 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  16.08  22.75  26.10  23.80  19.92   1.76   2.00  11.85   0.00  18.07 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  16.20  23.03  26.36  24.08  20.04   1.78   2.00  11.92   0.00  18.23 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  12.59  18.16  20.83  19.00  15.11   1.35   1.53   9.10   0.00  14.23 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  18.30  25.78  29.51  26.96  25.14   2.20   2.48  14.74   0.00  20.68 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1 13  52    8.0   7.0  12.0 2   6.53   9.68  11.57  10.28  10.87   0.75   0.83   6.52   0.00   7.77 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   15.0  14.0  23.0 2   9.08  13.17  15.50  13.91  13.24   1.01   1.14   7.99   0.00  10.79 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2  10.31  14.90  17.37  15.68  14.24   1.14   1.29   8.58   0.00  11.92 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   39.0  37.0  60.0 2  16.94  24.11  27.06  25.04  15.40   1.73   2.00   9.27   0.00  19.07 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   24.0  24.0  38.0 2  13.59  19.33  22.28  20.26  16.52   1.45   1.65   9.92   0.00  15.25 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2   8.81  12.93  15.06  13.60  12.48   1.00   1.14   7.53   0.00  10.27 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  19.0  31.0 2  14.68  20.60  23.97  21.66  20.77   1.67   1.89  12.33   0.00  16.50 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   13.0  10.0  19.0 2   4.61   7.25   8.57   7.67   9.15   0.64   0.71   5.28   0.00   5.80 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   14.0  23.0  22.0 2   7.29  10.75  12.64  11.35  11.16   0.87   0.99   6.71   0.00   9.03 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   6.95  10.31  12.22  10.91  11.06   0.80   0.90   6.65   0.00   8.48 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   25.0  24.0  37.0 2   8.72  12.90  14.89  13.53  11.48   1.01   1.15   6.91   0.00  10.29 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   28.0  26.0  43.0 2  11.15  16.21  18.58  16.96  13.19   1.22   1.40   7.96   0.00  12.82 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   8.10  11.81  13.99  12.50  12.39   0.90   1.01   7.47   0.00   9.78 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  18.0  29.0 2  13.17  18.65  21.76  19.63  17.79   1.42   1.61  10.65   0.00  15.09 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0   9.0  23.0 2   4.99   7.97   9.39   8.42  11.24   0.69   0.77   5.57   0.00   6.72 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    3.0   2.0   5.0 2   3.81   6.05   7.31   6.45   9.07   0.55   0.61   5.14   0.00   5.12 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   4.92   7.72   9.07   8.15   9.21   0.68   0.76   5.34   0.00   6.06 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   4.59   7.29   8.56   7.69   9.10   0.66   0.74   5.22   0.00   5.70 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2   7.11  10.76  12.48  11.30  10.56   0.85   0.96   6.32   0.00   8.48 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   6.05   9.20  10.81   9.71   9.94   0.75   0.84   5.91   0.00   7.29 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2  12.35  17.72  20.56  18.62  16.43   1.33   1.50   9.87   0.00  14.32 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  22.98  32.31  36.50  33.63  29.93   2.85   3.19  17.33   0.00  25.45 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   46.0  12.0  59.0 2  25.74  35.94  40.60  37.41  34.48   3.25   3.64  19.74   0.00  28.49 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  23.40  32.84  37.24  34.23  32.70   2.97   3.31  18.80   0.00  26.06 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   45.0   8.0  56.0 2  22.33  31.44  35.65  32.77  30.81   2.81   3.13  17.80   0.00  24.88 .633 .178 .082 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2  10.08  14.33  17.12  15.21  15.40   1.06   1.18   9.27   0.00  11.97 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2  12.04  16.88  20.17  17.92  18.08   1.23   1.38  10.81   0.00  14.18 .533 .246 .113 .030 .002 .004 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  17.54  24.65  28.28  25.79  23.54   2.06   2.34  13.87   0.00  19.77 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  18.60  26.03  29.86  27.24  26.00   2.26   2.57  15.22   0.00  21.00 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  18.30  25.78  29.51  26.96  25.14   2.20   2.48  14.74   0.00  20.68 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   30.0  19.0  43.0 2  15.37  21.82  25.04  22.84  18.08   1.61   1.82  10.81   0.00  17.24 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   34.0  14.0  46.0 2  18.30  25.78  29.51  26.96  25.14   2.20   2.48  14.74   0.00  20.68 .614 .198 .091 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    8.0   7.0  12.0 2   8.80  12.66  15.13  13.44  13.69   0.94   1.06   8.26   0.00  10.29 .603 .212 .098 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   15.0  14.0  23.0 2  12.03  17.06  20.07  18.01  16.95   1.28   1.45  10.17   0.00  14.12 .573 .246 .113 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2  13.51  19.11  22.27  20.11  18.18   1.45   1.64  10.87   0.00  15.46 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   39.0  37.0  60.0 2  21.37  29.85  33.51  31.00  20.28   2.25   2.61  12.05   0.00  23.90 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   24.0  24.0  38.0 2  15.42  21.70  25.01  22.74  19.13   1.66   1.90  11.41   0.00  17.25 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  17.0  30.0 2  10.00  14.49  16.89  15.25  13.87   1.11   1.26   8.36   0.00  11.58 .609 .212 .098 .022 .002 .003 .054 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  19.0  31.0 2  14.68  20.60  23.97  21.66  20.77   1.67   1.89  12.33   0.00  16.50 .683 .185 .085 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   13.0  10.0  19.0 2   6.04   9.13  10.81   9.66  10.11   0.73   0.82   6.02   0.00   7.36 .562 .237 .109 .025 .002 .004 .061 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   14.0  23.0  22.0 2   9.45  13.58  15.97  14.33  13.69   1.07   1.22   8.26   0.00  11.48 .462 .287 .132 .033 .002 .005 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   9.04  13.06  15.47  13.82  13.57   0.98   1.11   8.19   0.00  10.85 .544 .259 .119 .021 .002 .004 .051 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   25.0  24.0  37.0 2  11.44  16.48  19.02  17.28  14.30   1.25   1.43   8.62   0.00  13.30 .583 .234 .108 .020 .002 .004 .049 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   28.0  26.0  43.0 2  12.85  18.46  21.15  19.31  14.90   1.38   1.57   8.97   0.00  14.69 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   12.0  11.0  18.0 2   9.04  13.06  15.47  13.82  13.57   0.98   1.11   8.19   0.00  10.85 .544 .259 .119 .021 .002 .004 .051 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   19.0  18.0  29.0 2  13.17  18.65  21.76  19.63  17.79   1.42   1.61  10.65   0.00  15.09 .633 .212 .098 .015 .002 .003 .037 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0   9.0  23.0 2   3.77   6.20   7.29   6.54   9.99   0.64   0.72   5.21   0.00   5.41 .404 .246 .113 .068 .001 .004 .164 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52    3.0   2.0   5.0 2   4.65   7.15   8.64   7.62   9.38   0.59   0.65   5.49   0.00   6.03 .483 .266 .123 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   5.66   8.69  10.21   9.17   9.64   0.72   0.81   5.69   0.00   6.86 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   5.09   7.94   9.33   8.38   9.29   0.68   0.77   5.41   0.00   6.24 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2   7.44  11.20  13.00  11.77  10.87   0.88   0.99   6.52   0.00   8.85 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   16.0  13.0  24.0 2   6.69  10.06  11.82  10.61  10.53   0.80   0.90   6.30   0.00   8.00 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  52   23.0  13.0  34.0 2  12.35  17.72  20.56  18.62  16.43   1.33   1.50   9.87   0.00  14.32 .602 .226 .104 .018 .002 .004 .044 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  11.63  17.87  20.12  18.58  12.66   1.10   1.26   7.68   0.00  13.53 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  12.75  19.44  21.88  20.21  13.68   1.18   1.36   8.29   0.00  14.77 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  15.02  22.39  25.52  23.38  17.50   1.39   1.58  10.54   0.00  17.36 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  21.05  30.58  34.85  31.92  30.65   2.34   2.67  17.80   0.00  24.47 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   3.89   6.58   7.74   6.95  10.17   0.62   0.70   5.28   0.00   5.34 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   5.21   8.37   9.85   8.84   9.25   0.64   0.72   5.42   0.00   6.66 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2   8.12  12.86  14.53  13.39   9.97   0.87   1.00   5.96   0.00   9.48 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2  10.02  15.47  17.47  16.10  11.39   1.01   1.15   6.89   0.00  11.53 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  10.94  16.48  18.92  17.25  13.73   1.10   1.25   8.33   0.00  12.58 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1 13  36   22.0  25.0  39.0 2   6.98  11.29  12.76  11.76   9.34   0.80   0.92   5.50   0.00   8.26 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  17.58  25.48  29.26  26.67  25.01   1.94   2.22  14.74   0.00  20.06 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  23.0 2   5.28   8.77  10.17   9.21  11.01   0.69   0.78   5.52   0.00   6.61 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  24.0 2   4.62   7.72   8.95   8.11   9.02   0.64   0.73   5.12   0.00   6.03 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   6.97  11.15  12.70  11.64   9.60   0.79   0.90   5.70   0.00   8.39 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   33.0  33.0  54.0 2  10.14  16.09  17.79  16.62   9.97   1.03   1.19   5.96   0.00  11.60 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   26.0  28.0  43.0 2  13.49  20.35  22.85  21.14  13.73   1.28   1.47   8.33   0.00  15.65 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   6.46  10.44  11.90  10.90   9.33   0.76   0.87   5.49   0.00   7.83 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  20.0  20.0 2  14.70  21.22  24.73  22.33  20.66   1.59   1.79  12.33   0.00  17.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   13.0  11.0  21.0 2   5.18   8.59  10.01   9.04  11.01   0.67   0.76   5.52   0.00   6.72 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  15.0  25.0 2   4.66   7.80   9.02   8.19   9.02   0.65   0.74   5.12   0.00   6.28 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   5.31   8.93  10.14   9.31   9.02   0.72   0.82   5.12   0.00   6.62 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   32.0  30.0  52.0 2   8.12  13.24  14.69  13.70   9.25   0.91   1.04   5.42   0.00   9.72 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  22.0  37.0 2   9.67  14.94  16.94  15.57  11.39   0.99   1.12   6.89   0.00  11.91 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   6.61  10.71  12.16  11.17   9.33   0.78   0.88   5.49   0.00   7.99 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   19.0  19.0  32.0 2  15.24  22.46  25.66  23.47  17.79   1.45   1.65  10.70   0.00  18.33 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0   9.0  25.0 2   7.29  11.87  13.74  12.46  13.12   0.76   0.86   6.16   0.00   9.18 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    4.0   2.0   6.0 2   3.55   5.96   7.16   6.34   9.22   0.55   0.61   5.07   0.00   4.98 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.34   7.45   8.56   7.80   9.14   0.66   0.74   5.07   0.00   6.03 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.99   8.34   9.59   8.74   9.02   0.67   0.75   5.16   0.00   6.72 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2   8.54  13.75  15.39  14.27   9.97   0.86   0.98   5.96   0.00  10.77 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   5.96   9.69  11.14  10.14   9.32   0.71   0.80   5.48   0.00   7.80 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2  16.90  25.43  28.47  26.39  16.95   1.48   1.69  10.22   0.00  20.28 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  12.08  18.50  20.83  19.24  13.06   1.13   1.30   7.92   0.00  14.03 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  13.28  20.17  22.71  20.97  14.16   1.23   1.40   8.58   0.00  15.36 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  15.56  23.11  26.34  24.13  18.19   1.44   1.64  10.93   0.00  17.96 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  21.05  30.58  34.85  31.92  30.65   2.34   2.67  17.80   0.00  24.47 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   3.89   6.58   7.74   6.95   9.49   0.60   0.68   5.11   0.00   5.30 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   5.49   8.76  10.30   9.24   9.40   0.65   0.73   5.55   0.00   6.97 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2   8.46  13.32  15.05  13.87  10.20   0.89   1.03   6.11   0.00   9.84 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2  10.52  16.16  18.26  16.82  11.81   1.05   1.20   7.15   0.00  12.07 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  11.28  16.95  19.46  17.73  14.10   1.13   1.29   8.55   0.00  12.95 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2   7.75  12.34  13.95  12.85   9.74   0.85   0.97   5.80   0.00   9.07 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  17.58  25.48  29.26  26.67  25.01   1.94   2.22  14.74   0.00  20.06 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  23.0 2   4.14   7.04   8.18   7.40  10.11   0.66   0.75   5.26   0.00   5.33 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  24.0 2   4.91   8.11   9.40   8.52   9.04   0.65   0.74   5.19   0.00   6.34 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   7.16  11.41  13.00  11.91   9.72   0.80   0.92   5.79   0.00   8.60 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   33.0  33.0  54.0 2  10.43  16.48  18.23  17.03  10.13   1.04   1.21   6.07   0.00  11.91 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   26.0  28.0  43.0 2  13.63  20.54  23.06  21.34  13.85   1.29   1.48   8.40   0.00  15.81 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   7.05  11.26  12.82  11.75   9.65   0.80   0.91   5.74   0.00   8.48 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  20.0  20.0 2  14.70  21.22  24.73  22.33  20.66   1.59   1.79  12.33   0.00  17.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   13.0  11.0  21.0 2   4.80   8.03   9.36   8.45  10.70   0.66   0.74   5.43   0.00   6.29 .534 .238 .110 .033 .002 .004 .079 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  15.0  25.0 2   4.76   7.94   9.18   8.33   9.02   0.65   0.74   5.14   0.00   6.38 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   5.49   9.16  10.41   9.56   9.02   0.73   0.83   5.15   0.00   6.80 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   32.0  30.0  52.0 2   8.27  13.45  14.93  13.92   9.30   0.91   1.05   5.46   0.00   9.89 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  22.0  37.0 2   9.71  15.00  17.01  15.64  11.42   0.99   1.13   6.91   0.00  11.96 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   7.24  11.58  13.15  12.08   9.67   0.81   0.93   5.75   0.00   8.68 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   19.0  19.0  32.0 2  15.14  22.33  25.52  23.34  17.69   1.45   1.64  10.65   0.00  18.23 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0   9.0  25.0 2   7.25  11.81  13.67  12.40  13.07   0.76   0.86   6.15   0.00   9.14 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    4.0   2.0   6.0 2   3.55   5.96   7.16   6.34   9.22   0.55   0.61   5.07   0.00   4.98 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.40   7.53   8.66   7.89   9.11   0.66   0.74   5.07   0.00   6.09 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.99   8.34   9.59   8.74   9.02   0.67   0.75   5.16   0.00   6.72 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2   8.61  13.85  15.50  14.37  10.02   0.87   0.99   5.99   0.00  10.85 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   6.01   9.75  11.21  10.21   9.34   0.71   0.80   5.50   0.00   7.85 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2  16.90  25.43  28.47  26.39  16.95   1.48   1.69  10.22   0.00  20.28 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  12.56  19.18  21.59  19.93  13.50   1.17   1.34   8.19   0.00  14.56 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  13.99  21.16  23.82  22.00  14.82   1.28   1.47   8.97   0.00  16.14 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  15.81  23.44  26.72  24.47  18.81   1.49   1.69  11.28   0.00  18.26 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  21.05  30.58  34.85  31.92  30.65   2.34   2.67  17.80   0.00  24.47 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   4.10   6.86   8.07   7.24   9.06   0.60   0.67   5.09   0.00   5.49 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   6.05   9.51  11.19  10.04   9.79   0.69   0.77   5.84   0.00   7.58 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2   9.23  14.38  16.25  14.97  10.76   0.95   1.09   6.49   0.00  10.67 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
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 1 13  36   22.0  25.0  39.0 2  11.17  17.05  19.27  17.75  12.37   1.10   1.26   7.50   0.00  12.78 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  12.01  17.95  20.60  18.78  14.89   1.19   1.36   9.02   0.00  13.75 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2   8.81  13.81  15.60  14.37  10.45   0.92   1.05   6.28   0.00  10.22 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  17.58  25.48  29.26  26.67  25.01   1.94   2.22  14.74   0.00  20.06 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  23.0 2   4.14   7.04   8.18   7.40   9.36   0.64   0.72   5.09   0.00   5.30 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  24.0 2   5.27   8.62   9.99   9.05   9.13   0.67   0.75   5.30   0.00   6.75 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   7.51  11.89  13.54  12.41   9.95   0.83   0.94   5.95   0.00   8.99 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   33.0  33.0  54.0 2  11.01  17.27  19.10  17.85  10.45   1.08   1.25   6.28   0.00  12.52 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   26.0  28.0  43.0 2  13.77  20.73  23.28  21.54  13.97   1.30   1.50   8.47   0.00  15.96 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   7.51  11.89  13.54  12.41   9.95   0.83   0.94   5.95   0.00   8.99 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  20.0  20.0 2  14.70  21.22  24.73  22.33  20.66   1.59   1.79  12.33   0.00  17.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   13.0  11.0  21.0 2   4.05   6.90   8.04   7.26  10.15   0.64   0.72   5.27   0.00   5.45 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  15.0  25.0 2   4.97   8.22   9.51   8.63   9.04   0.66   0.75   5.19   0.00   6.61 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   5.83   9.64  10.95  10.05   9.07   0.74   0.84   5.24   0.00   7.16 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   32.0  30.0  52.0 2   8.49  13.76  15.26  14.23   9.38   0.92   1.06   5.53   0.00  10.12 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  22.0  37.0 2   9.80  15.12  17.14  15.76  11.50   1.00   1.14   6.96   0.00  12.06 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   7.62  12.11  13.75  12.63   9.91   0.84   0.95   5.92   0.00   9.09 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   19.0  19.0  32.0 2  15.14  22.33  25.52  23.34  17.69   1.45   1.64  10.65   0.00  18.23 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0   9.0  25.0 2   7.13  11.63  13.47  12.21  12.91   0.76   0.85   6.10   0.00   9.01 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    4.0   2.0   6.0 2   3.55   5.96   7.16   6.34   9.22   0.55   0.61   5.07   0.00   4.98 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.46   7.61   8.76   7.97   9.09   0.66   0.74   5.08   0.00   6.16 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   5.00   8.37   9.62   8.76   9.03   0.67   0.75   5.16   0.00   6.74 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2   8.64  13.89  15.56  14.42  10.04   0.87   0.99   6.01   0.00  10.88 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   6.05   9.81  11.28  10.27   9.37   0.71   0.81   5.52   0.00   7.90 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2  16.80  25.29  28.32  26.25  16.86   1.47   1.68  10.17   0.00  20.17 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  13.21  20.08  22.60  20.87  14.10   1.22   1.40   8.55   0.00  15.28 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   21.0  17.0  43.0 2  15.10  22.69  25.55  23.59  15.86   1.37   1.57   9.58   0.00  17.36 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  16.07  23.80  27.12  24.84  19.47   1.54   1.75  11.66   0.00  18.57 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   16.0  12.0  35.0 2  21.05  30.58  34.85  31.92  30.65   2.34   2.67  17.80   0.00  24.47 .575 .218 .100 .030 .002 .003 .072 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   4.77   7.78   9.15   8.21   9.08   0.62   0.69   5.25   0.00   6.19 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    9.0  10.0  16.0 2   6.86  10.61  12.48  11.20  10.50   0.74   0.84   6.32   0.00   8.47 .503 .246 .113 .039 .002 .004 .093 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2  10.20  15.71  17.75  16.35  11.53   1.02   1.17   6.98   0.00  11.72 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2  12.30  18.60  21.01  19.36  13.39   1.19   1.36   8.12   0.00  14.00 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  12.54  18.67  21.44  19.54  15.47   1.23   1.41   9.36   0.00  14.33 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  25.0  39.0 2  10.06  15.53  17.54  16.16  11.42   1.01   1.16   6.91   0.00  11.58 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  19.0  29.0 2  17.58  25.48  29.26  26.67  25.01   1.94   2.22  14.74   0.00  20.06 .633 .192 .088 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  23.0 2   4.46   7.49   8.69   7.87   9.04   0.64   0.72   5.10   0.00   5.63 .603 .205 .095 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   14.0  14.0  24.0 2   5.90   9.47  10.97   9.94   9.42   0.70   0.79   5.56   0.00   7.43 .533 .253 .116 .027 .002 .004 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   8.08  12.67  14.43  13.23  10.37   0.87   0.99   6.23   0.00   9.61 .615 .215 .099 .019 .002 .003 .047 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   33.0  33.0  54.0 2  11.88  18.47  20.42  19.08  10.97   1.14   1.32   6.63   0.00  13.44 .643 .185 .085 .024 .002 .003 .058 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   26.0  28.0  43.0 2  13.91  20.93  23.50  21.74  14.10   1.31   1.51   8.55   0.00  16.12 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   20.0  21.0  34.0 2   7.98  12.53  14.28  13.08  10.29   0.86   0.98   6.18   0.00   9.51 .615 .215 .099 .019 .002 .003 .047 .000
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0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  20.0  20.0 2  14.70  21.22  24.73  22.33  20.66   1.59   1.79  12.33   0.00  17.00 .643 .212 .098 .012 .002 .003 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   13.0  11.0  21.0 2   4.05   6.90   8.04   7.26   9.69   0.63   0.71   5.15   0.00   5.42 .534 .238 .110 .033 .002 .004 .079 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0  15.0  25.0 2   5.31   8.68  10.04   9.11   9.12   0.67   0.76   5.30   0.00   6.97 .463 .280 .129 .036 .002 .004 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   6.25  10.21  11.60  10.65   9.19   0.76   0.86   5.36   0.00   7.61 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   32.0  30.0  52.0 2   8.96  14.40  15.98  14.90   9.57   0.95   1.09   5.68   0.00  10.63 .594 .217 .100 .025 .002 .003 .059 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  22.0  37.0 2   9.93  15.30  17.35  15.95  11.61   1.01   1.15   7.03   0.00  12.21 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   22.0  21.0  36.0 2   8.17  12.85  14.59  13.40  10.29   0.87   1.00   6.18   0.00   9.68 .593 .212 .098 .027 .002 .003 .065 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   19.0  19.0  32.0 2  15.14  22.33  25.52  23.34  17.69   1.45   1.64  10.65   0.00  18.23 .553 .273 .126 .012 .002 .004 .030 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   15.0   9.0  25.0 2   6.90  11.28  13.06  11.84  12.61   0.75   0.84   6.01   0.00   8.75 .423 .226 .104 .071 .001 .004 .171 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36    4.0   2.0   6.0 2   3.55   5.96   7.16   6.34   9.21   0.55   0.61   5.07   0.00   4.98 .473 .246 .113 .047 .002 .004 .115 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   4.55   7.74   8.90   8.11   9.06   0.66   0.74   5.08   0.00   6.26 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   5.02   8.39   9.65   8.79   9.03   0.67   0.75   5.17   0.00   6.76 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2   8.71  13.99  15.66  14.52  10.08   0.87   1.00   6.04   0.00  10.96 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   18.0  12.0  29.0 2   6.10   9.87  11.35  10.34   9.39   0.72   0.81   5.54   0.00   7.95 .443 .293 .135 .036 .002 .005 .086 .000
0Emission factors are as of Jan. 1st of the indicated calendar year.
 LEV phase-in begins in 2001 without using (4/8/94) Guidance Memo Credits
 1 13  36   23.0  13.0  48.0 2  16.90  25.43  28.47  26.39  16.95   1.48   1.69  10.22   0.00  20.28 .443 .293 .135 .036 .002 .005 .086 .000
```

```
       DIMENSION SPD(8,5,10),XHIALT(7),VMIX(7),XLOALT(2),XNLEV(2)
       CHARACTER*40 JUNK
C read speed and emission factor data
       OPEN(10,FILE='speeddb11-10.dat',TYPE='OLD')
       READ(10,*)(((SPD(IFC,IAREA,IP),IFC=1,8),IAREA=1,5),IP=1,10)
C open the output file with all the I/M bells &whistles; plus mech train
       OPEN(1,FILE='work.hi',TYPE='OLD',FORM='FORMATTED')
C open the low altitude WITH NLEV
       OPEN(3,FILE='work.lo',TYPE='OLD',FORM='FORMATTED')
       OPEN(4,FILE='efact.hinlev')
 5     FORMAT(40A)
 4     format(8F5.1)
 3     format(a20)
 2     format(I3,',',F7.2)
 6     format(I3,',',F5.1)
 7     format(31x,2f6.2,51x,f6.2)
 1     format(30x,3f7.2,7x,4f7.2,14x,7f5.3)
 8     format(7f6.2/7f5.3)
C 1    FORMAT(1X,I1,1X,I2,1X,I3,1X,3F6.1,1X,A1,10F7.2,8F5.2)
C read top six lines of output files
       DO ILINE = 1,15
           READ(1,5)JUNK
           READ(3,5)JUNK
       END DO
c read mode data and total vmt
       DO IP = 1,10
       DO IAREA = 1,5
       DO IFC = 1,8
          IF (SPD(IFC,IAREA,IP).GT.0) THEN
                   read(1,3) junk
                   READ(3,3)JUNK
                   READ(3,3)JUNK             ! file has extra 'junk'
C Read all veh type emission factor AND veh mix from hi alt file
                   READ(1,1)(xhialt(i),i=1,7),(vmix(i),i=1,7)
C Read only the ldgv and ldgt1 factors from these file
                   READ(3,1)(xnlev(i),i=1,2)
C Calculate NLEV adjustment to the ldgv and t1 emission factors
                   xhialt(1)=xnlev(1)
                   xhialt(2)=xnlev(2)
C Calculate the composite factor for hi altitude
                   efact = 0.0
                   do i = 1,7
                      efact = efact + xhialt(i) * vmix(i)
                   end do
C Calculate 'code' identifier for efactor
                   ICODE = IFC * 100 + IAREA * 10 + (IP-1)
C make calculations to adjust for nlev
                   WRITE(4,2)ICODE,EFACT
       END IF
       END DO
       END DO
       END DO
 100   CONTINUE
       END
```

Appendix C – Mobile Source Emissions Modeling: Emission Factors

2013 Emission Factors
(grams/mile)

Area Class	Road Type	AM1	AM2	AM3	PM1	PM2	PM3	OP1	OP2	OP3	OP4
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	18.28	21.15	25.64	17.14	22.91	27.32	14.34	14.86	15.43	16.18
1	4	19.02	22.38	26.70	20.24	24.88	30.64	15.65	16.26	17.08	18.37
1	5	19.48	21.48	24.26	21.25	24.30	28.10	18.48	19.12	19.45	19.81
1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	8	24.13	24.13	24.13	26.80	26.80	26.80	26.39	26.39	26.39	26.39
2	1	8.64	11.01	14.52	7.25	9.93	12.95	6.13	6.04	6.22	6.93
2	2	10.97	14.96	19.60	8.70	11.51	15.33	7.41	7.74	8.38	9.34
2	3	15.50	21.04	25.01	12.47	18.22	21.11	9.99	10.36	11.22	12.31
2	4	17.78	22.30	25.52	14.50	19.21	22.47	12.11	12.68	13.41	14.69
2	5	18.79	21.20	23.99	17.06	19.38	22.10	13.28	13.67	14.51	15.12
2	6	13.68	16.49	20.10	12.25	15.10	18.27	8.73	9.57	10.76	12.16
2	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8	22.87	22.87	22.87	22.10	22.10	22.10	21.33	21.33	21.33	21.33
3	1	7.86	9.77	12.63	5.93	8.32	10.99	7.19	5.88	5.82	6.13
3	2	10.58	13.57	18.04	7.71	11.30	14.77	6.54	6.85	7.26	7.97
3	3	12.89	15.99	20.25	9.38	12.60	16.31	8.79	9.00	9.40	10.04
3	4	21.31	27.66	33.99	14.42	19.57	24.56	12.11	12.42	13.05	14.01
3	5	24.39	27.75	30.90	13.68	15.69	17.75	16.01	16.17	16.33	16.49
3	6	12.05	13.79	15.84	9.27	10.86	12.24	8.21	8.88	9.40	9.93
3	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	8	24.30	24.30	24.30	17.04	17.04	17.04	17.54	17.54	17.54	17.54
4	1	7.23	8.77	11.56	5.32	6.28	7.90	7.43	6.98	6.11	6.06
4	2	9.80	12.71	16.44	7.37	9.81	12.44	6.94	7.05	7.28	7.66
4	3	10.45	13.35	17.21	6.98	8.98	11.46	7.12	7.31	7.67	8.13
4	4	17.09	22.15	29.00	8.58	10.78	13.91	10.20	10.37	10.61	11.13
4	5	20.43	24.03	28.20	11.69	13.24	15.17	12.21	12.26	12.36	12.52
4	6	13.57	15.66	17.73	8.70	10.34	11.46	8.53	9.23	9.66	10.27
4	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	8	24.35	24.35	24.35	15.66	15.66	15.66	18.80	18.69	18.69	18.69
5	1	11.56	9.74	8.65	9.48	8.21	6.76	10.96	10.91	10.76	10.47
5	2	6.88	7.87	9.30	5.35	5.79	6.73	5.86	5.86	5.86	5.86
5	3	7.24	8.20	9.57	5.62	6.41	7.23	6.70	6.77	6.83	6.92
5	4	7.11	7.41	8.18	5.90	6.04	6.59	7.39	7.39	7.41	7.43
5	5	14.40	15.21	16.10	8.53	8.89	9.27	11.53	11.61	11.65	11.73
5	6	9.04	10.35	11.44	7.11	7.67	8.41	8.50	8.55	8.60	8.66
5	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	8	23.36	23.36	23.36	14.95	14.95	14.95	21.58	21.58	21.46	21.58

Road Class: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial
5=Collector, 6=Ramp, 7=Frontage, 8=Local
Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

2006 Emission Factors
(grams/mile)

Area Class	Road Type	AM1	AM2	AM3	PM1	PM2	PM3	OP1	OP2	OP3	OP4
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	17.46	21.55	26.20	17.73	23.42	28.20	15.53	15.74	16.23	16.84
1	4	19.94	23.09	26.93	21.14	25.73	30.77	16.92	17.40	18.26	19.39
1	5	19.36	20.74	22.91	21.97	23.74	26.33	19.75	20.25	20.60	20.97
1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	8	24.76	24.76	24.76	28.46	28.46	28.46	28.09	28.09	28.09	28.09
2	1	8.91	12.26	16.88	7.47	10.58	13.97	6.48	6.42	6.44	7.19
2	2	11.02	15.22	19.42	8.33	11.93	15.31	7.83	8.16	8.47	9.32
2	3	17.68	23.58	28.12	13.34	19.88	23.21	10.90	11.34	12.08	13.43
2	4	20.22	24.92	29.69	15.94	21.26	25.72	13.16	13.65	14.36	15.83
2	5	18.22	20.92	23.68	16.63	20.20	22.62	14.23	14.37	14.71	15.23
2	6	13.93	16.50	20.32	12.11	15.32	18.48	9.56	10.60	11.25	11.89
2	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8	25.41	25.41	25.41	24.65	24.65	24.65	23.81	23.81	23.81	23.81
3	1	8.50	11.17	14.71	6.32	9.48	12.98	7.83	6.43	6.27	6.65
3	2	11.45	13.89	18.05	9.45	11.73	15.56	7.03	8.12	8.55	9.07
3	3	14.86	19.18	24.26	10.47	14.66	18.32	9.55	9.82	10.35	11.17
3	4	25.26	32.25	39.59	16.00	23.02	27.23	13.39	13.68	14.35	15.37
3	5	26.78	30.71	34.69	14.57	16.94	19.31	17.42	17.59	17.67	17.84
3	6	13.24	15.05	17.49	9.83	11.57	13.27	8.92	9.65	10.20	10.73
3	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	8	27.10	27.10	27.10	18.56	18.56	18.56	19.04	19.04	19.04	19.04
4	1	7.96	9.72	12.39	5.63	7.13	8.94	8.03	7.63	6.57	6.47
4	2	9.99	12.20	14.56	8.03	9.65	11.36	7.44	7.57	7.79	8.18
4	3	12.40	15.92	20.95	7.88	10.58	13.63	7.79	8.11	8.64	9.30
4	4	19.26	23.97	32.02	9.32	12.20	15.54	11.27	11.49	11.67	12.23
4	5	23.11	26.85	31.95	12.57	14.73	16.90	13.21	13.26	13.31	13.42
4	6	14.14	15.72	17.72	8.83	9.91	10.85	9.28	9.86	10.37	10.89
4	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	8	26.58	26.58	26.58	16.55	16.55	16.55	20.03	20.03	19.92	19.92
5	1	11.84	9.33	9.23	9.75	7.18	6.96	11.89	11.83	11.61	10.90
5	2	7.44	8.46	10.04	5.55	6.06	6.74	6.11	6.11	6.11	6.11
5	3	7.69	8.63	9.85	6.00	6.78	7.66	7.24	7.31	7.37	7.48
5	4	7.87	8.63	9.85	6.47	6.96	7.71	7.95	7.97	8.01	8.07
5	5	16.18	17.49	19.00	9.16	9.91	10.59	12.54	12.58	12.66	12.75
5	6	9.72	11.17	13.75	7.39	7.84	8.20	8.97	9.02	9.08	9.13
5	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	8	24.95	24.95	24.95	15.50	15.50	15.50	22.53	22.65	22.65	22.65

Road Class: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial
5=Collector, 6=Ramp, 7=Frontage, 8=Local
Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

Appendix D – Mobile Source Emissions Modeling: Emission Estimates

2006 Mobile Sources Emissions in Dispersion Modeling Domain

AM PERIOD Emissions

ROAD CLASS	AREA TYPE	AMEM PD1	AMEM PD2	AMEM PD3	AMEM TOTAL
	2	1,274,105.7	970,317.1	1,418,076.6	3,662,499.4
	3	3,284,237.7	2,396,270.4	3,359,820.9	9,040,329.0
	4	6,113,457.9	4,483,501.0	6,412,560.8	17,009,519.7
	5	3,324,579.6	1,605,511.1	1,806,291.1	6,736,381.8
1		13,996,381.0	9,455,599.6	12,996,749.4	36,448,730.0
	2	143,248.0	117,499.1	164,431.2	425,178.3
	3	515,428.2	358,278.6	511,056.0	1,384,762.8
	4	1,293,394.8	950,822.2	1,284,486.3	3,528,703.3
	5	276,294.2	194,165.4	264,644.0	735,103.7
2		2,228,365.2	1,620,765.3	2,224,617.6	6,073,748.0
	1	388,425.6	303,050.3	423,157.2	1,114,633.1
	2	1,483,951.1	1,161,239.3	1,537,385.3	4,182,575.7
	3	7,189,977.2	5,566,701.9	7,899,231.3	20,655,910.4
	4	7,383,709.0	5,732,348.5	8,577,885.2	21,693,942.7
	5	861,565.8	636,609.3	872,088.4	2,370,263.4
3		17,307,628.7	13,399,949.2	19,309,747.4	50,017,325.3
	1	233,338.6	167,054.0	224,647.7	625,040.3
	2	701,436.1	546,911.1	759,095.9	2,007,443.2
	3	4,239,708.1	3,421,675.1	4,880,404.6	12,541,787.9
	4	5,246,295.0	4,317,829.7	6,944,742.6	16,508,867.2
	5	635,689.2	500,964.8	749,495.6	1,886,149.6
4		11,056,467.0	8,954,434.7	13,558,386.5	33,569,288.2
	1	62,968.2	48,850.5	70,751.2	182,569.8
	2	285,912.8	269,902.9	412,414.9	968,230.5
	3	2,225,519.0	2,338,585.8	3,910,151.6	8,474,256.4
	4	2,695,579.9	2,456,882.4	4,037,018.7	9,189,481.0
	5	785,756.0	581,001.0	878,760.9	2,245,517.9
5		6,055,735.9	5,695,222.5	9,309,097.3	21,060,055.6
	2	89,378.5	62,331.3	87,588.0	239,297.8
	3	227,234.0	146,864.5	189,201.0	563,299.5
	4	358,939.0	236,839.6	304,799.4	900,578.0
	5	29,239.5	21,363.3	30,356.8	80,959.6
6		704,791.0	467,398.7	611,945.2	1,784,134.9
	1	64,957.0	39,508.2	45,018.8	149,484.0
	2	558,582.1	341,781.1	389,608.1	1,289,971.3
	3	2,977,004.0	1,814,989.6	2,062,634.5	6,854,628.1
	4	4,524,526.3	2,774,187.2	3,171,321.4	10,470,034.8
	5	1,706,682.1	1,047,048.3	1,194,036.7	3,947,767.0
8		9,831,751.4	6,017,514.4	6,862,619.5	22,711,885.3
		61,181,120.3	45,610,884.4	64,873,162.8	171,665,167.4

2006 Mobile Sources Emissions in Dispersion Modeling Domain

PM PERIOD Emissions

ROAD CLASS	AREA TYPE	PMEM PD1	PMEM PD2	PMEM PD3	PMEM TOTAL
	2	3,129,529.2	1,672,130.9	1,168,238.2	5,969,898.3
	3	7,478,633.1	4,273,428.1	3,111,320.9	14,863,382.1
	4	13,028,217.9	7,254,884.0	5,096,828.2	25,379,930.0
	5	7,975,377.8	2,696,040.2	1,494,002.6	12,165,420.6
1		31,611,758.0	15,896,483.2	10,870,389.8	58,378,631.0
	2	333,688.3	199,495.4	140,915.6	674,099.3
	3	1,274,649.3	624,070.7	452,157.2	2,350,877.2
	4	3,137,647.1	1,613,530.8	1,077,044.1	5,828,222.1
	5	582,823.6	312,387.4	210,779.0	1,105,990.0
2		5,328,808.3	2,749,484.3	1,880,895.9	9,959,188.5
	1	1,231,779.4	759,341.1	525,470.0	2,516,590.5
	2	3,415,748.3	2,175,040.4	1,409,205.9	6,999,994.5
	3	15,965,994.1	9,601,781.9	6,697,229.1	32,265,005.1
	4	14,529,815.5	8,522,233.3	6,211,096.9	29,263,145.7
	5	1,893,016.2	1,037,835.5	704,313.0	3,635,164.7
3		37,036,353.5	22,096,232.2	15,547,314.9	74,679,900.5
	1	782,951.8	429,202.3	291,420.9	1,503,575.0
	2	1,771,999.2	1,089,560.1	765,386.5	3,626,945.8
	3	8,347,619.3	5,698,160.1	3,854,028.8	17,899,808.1
	4	8,009,732.2	5,239,966.3	3,976,522.6	17,226,221.0
	5	1,411,718.9	815,430.2	621,726.3	2,848,875.4
4		20,324,021.4	13,272,318.9	9,509,085.1	43,105,425.4
	1	224,308.2	143,683.6	107,567.2	475,559.0
	2	741,723.3	618,918.6	471,764.8	1,832,406.7
	3	3,436,553.9	3,221,344.5	2,704,570.8	9,362,469.2
	4	3,966,008.5	3,091,421.7	2,515,909.8	9,573,340.0
	5	1,207,214.3	664,576.5	471,294.7	2,343,085.5
5		9,575,808.2	7,739,944.8	6,271,107.3	23,586,860.4
	2	267,899.1	135,131.0	90,223.1	493,253.2
	3	527,808.9	245,802.1	155,803.7	929,414.7
	4	667,306.3	312,759.8	196,363.6	1,176,429.8
	5	59,666.6	30,610.5	18,789.8	109,066.8
6		1,522,681.0	724,303.4	461,180.2	2,708,164.6
	1	253,458.7	112,169.0	64,019.9	429,647.7
	2	1,720,942.1	768,881.9	438,348.8	2,928,172.7
	3	6,991,160.4	3,105,331.6	1,770,449.9	11,866,941.9
	4	10,007,956.1	4,482,155.7	2,572,224.7	17,062,336.5
	5	3,228,010.1	1,441,841.6	827,265.2	5,497,116.8
8		22,201,527.4	9,910,379.8	5,672,308.5	37,784,215.7
		127,600,957.7	72,389,146.6	50,212,281.8	250,202,386.1

2006 Mobile Sources Emissions in Dispersion Modeling Domain

Off Peak Emissions

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF
	2	1,647,797.0	1,848,716.4	3,773,379.2	944,491.8	8,214,384.5
	3	5,346,538.8	4,948,350.8	10,047,650.9	2,430,910.0	22,773,450.5
	4	9,043,853.3	10,149,394.6	18,999,867.5	4,542,516.9	42,735,632.4
	5	5,395,324.5	6,284,178.6	13,560,043.7	3,114,491.2	28,354,038.0
1		21,433,513.6	23,230,640.4	46,380,941.3	11,032,410.0	102,077,505.4
	2	160,410.9	191,401.6	436,625.5	113,019.4	901,457.5
	3	493,032.0	671,042.8	1,448,490.8	343,138.9	2,955,704.5
	4	1,389,717.4	1,650,939.0	3,735,865.6	958,939.7	7,735,461.7
	5	305,133.4	361,401.6	811,279.0	203,199.1	1,681,013.1
2		2,348,293.7	2,874,785.1	6,432,260.9	1,618,297.1	13,273,636.8
	1	399,733.5	481,582.4	1,145,891.8	314,620.4	2,341,828.0
	2	1,245,869.6	1,563,860.8	3,743,608.0	1,020,066.1	7,573,404.5
	3	6,267,967.6	7,737,653.9	18,336,628.3	4,913,287.9	37,255,537.7
	4	7,164,972.5	8,619,478.1	19,731,332.6	5,084,626.8	40,600,409.9
	5	1,028,060.9	1,217,590.9	2,731,410.6	707,187.0	5,684,249.4
3		16,106,604.0	19,620,166.1	45,688,871.3	12,039,788.3	93,455,429.6
	1	260,804.8	315,936.0	753,340.2	199,771.3	1,529,852.3
	2	595,893.3	725,443.3	1,725,666.0	478,063.4	3,525,066.0
	3	2,653,253.2	3,238,186.1	8,030,937.8	2,216,565.7	16,138,942.7
	4	3,764,242.0	4,526,399.2	10,521,326.8	2,889,927.8	21,701,895.8
	5	722,630.9	858,863.9	1,908,492.3	482,721.3	3,972,708.4
4		7,996,824.1	9,664,828.5	22,939,763.0	6,267,049.5	46,868,465.2
	1	74,640.7	89,275.6	202,012.7	51,626.3	417,555.2
	2	177,836.6	220,066.8	529,489.9	150,365.9	1,077,759.3
	3	994,743.2	1,168,643.4	2,815,141.4	817,856.6	5,796,384.5
	4	1,231,371.1	1,466,615.7	3,464,250.6	949,028.3	7,111,265.8
	5	727,560.7	851,674.5	1,870,560.8	461,327.7	3,911,123.7
5		3,206,152.3	3,796,276.0	8,881,455.4	2,430,204.8	18,314,088.5
	2	107,705.8	139,002.7	313,460.6	76,420.8	636,589.9
	3	262,087.5	314,148.6	703,146.3	169,960.7	1,449,343.1
	4	349,649.0	429,212.1	949,789.5	238,257.1	1,966,907.7
	5	32,051.0	37,764.5	82,877.2	20,852.6	173,545.2
6		751,493.3	920,127.9	2,049,273.6	505,491.1	4,226,385.9
	1	120,207.4	139,808.2	304,719.3	74,408.9	639,143.8
	2	781,490.8	911,406.5	1,993,209.9	484,302.9	4,170,410.1
	3	3,441,469.6	3,989,439.7	8,716,647.9	2,118,718.8	18,266,276.0
	4	5,810,883.5	6,768,430.2	14,767,447.7	3,596,022.1	30,942,783.5
	5	2,294,204.0	2,652,138.2	5,798,795.9	1,414,072.5	12,159,210.6
8		12,448,255.4	14,461,222.7	31,580,820.7	7,687,525.3	66,177,824.0
		64,291,136.6	74,568,046.7	163,953,386.2	41,580,766.0	344,393,335.5

2006 Mobile Sources Emissions in Nonattainment Area

AMEM PERIOD Emissions

ROAD CLASS	AREA TYPE	AMEM PD1	AMEM PD2	AMEM PD3	AMEM TOTAL
	2	1,274,105.7	970,317.1	1,418,076.6	3,662,499.4
	3	3,284,237.7	2,396,270.4	3,359,820.9	9,040,329.0
	4	5,971,397.0	4,383,993.3	6,274,333.1	16,629,723.5
	5	2,330,447.5	1,138,344.9	1,295,657.4	4,764,449.8
1		12,860,187.9	8,888,925.7	12,347,888.0	34,097,001.7
	2	143,248.0	117,499.1	164,431.2	425,178.3
	3	515,428.2	358,278.6	511,056.0	1,384,762.8
	4	1,097,820.0	784,582.3	1,033,530.4	2,915,932.8
	5	87,872.1	65,693.9	90,557.9	244,123.9
2		1,844,368.4	1,326,053.9	1,799,575.6	4,969,997.8
	1	388,425.6	303,050.3	423,157.2	1,114,633.1
	2	1,483,951.1	1,161,239.3	1,537,385.3	4,182,575.7
	3	7,157,211.9	5,542,859.0	7,863,226.2	20,563,297.1
	4	7,064,082.5	5,486,802.6	8,207,900.5	20,758,785.7
	5	560,112.2	414,539.6	566,189.5	1,540,841.2
3		16,653,783.3	12,908,490.8	18,597,858.6	48,160,132.7
	1	233,338.6	167,054.0	224,647.7	625,040.3
	2	701,436.1	546,911.1	759,095.9	2,007,443.2
	3	4,209,378.2	3,397,213.6	4,844,543.7	12,451,135.5
	4	5,039,665.4	4,152,720.0	6,683,886.4	15,876,271.8
	5	412,766.3	325,067.7	487,534.6	1,225,368.6
4		10,596,584.6	8,588,966.4	12,999,708.4	32,185,259.3
	1	62,968.2	48,850.5	70,751.2	182,569.8
	2	285,912.8	269,902.9	412,414.9	968,230.5
	3	2,220,940.6	2,335,203.9	3,905,490.4	8,461,635.0
	4	2,615,931.3	2,400,994.3	3,963,342.1	8,980,267.7
	5	643,161.1	484,343.9	747,148.3	1,874,653.2
5		5,828,913.9	5,539,295.4	9,099,146.9	20,467,356.2
	2	89,378.5	62,331.3	87,588.0	239,297.8
	3	227,234.0	146,864.5	189,201.0	563,299.5
	4	353,079.5	233,076.4	299,740.9	885,896.8
	5	23,417.5	17,190.7	24,969.8	65,577.9
6		693,109.5	459,462.9	601,499.7	1,754,072.0
	1	64,957.0	39,508.2	45,018.8	149,484.0
	2	558,582.1	341,781.1	389,608.1	1,289,971.3
	3	2,957,326.0	1,803,025.1	2,048,972.7	6,809,323.8
	4	4,390,654.1	2,691,588.1	3,076,944.0	10,159,186.2
	5	706,899.2	436,557.4	496,439.3	1,639,895.9
8		8,678,418.4	5,312,459.9	6,056,982.9	20,047,861.2
		57,155,365.9	43,023,655.0	61,502,660.0	161,681,681.0

2006 Mobile Sources Emissions in Nonattainment Area

PM PERIOD Emissions

ROAD CLASS	AREA TYPE	PMEM PD1	PMEM PD2	PMEM PD3	PMEM TOTAL
	2	3,129,529.2	1,672,130.9	1,168,238.2	5,969,898.3
	3	7,478,633.1	4,273,428.1	3,111,320.9	14,863,382.1
	4	12,721,716.4	7,098,000.9	4,992,338.1	24,812,055.4
	5	5,459,489.7	1,909,421.2	1,081,438.2	8,450,349.1
1		28,789,368.4	14,952,981.1	10,353,335.4	54,095,684.9
	2	333,688.3	199,495.4	140,915.6	674,099.3
	3	1,274,649.3	624,070.7	452,157.2	2,350,877.2
	4	2,689,232.6	1,334,912.4	863,029.3	4,887,174.2
	5	158,971.6	100,468.5	66,928.9	326,369.0
2		4,456,541.7	2,258,947.0	1,523,031.0	8,238,519.7
	1	1,231,779.4	759,341.1	525,470.0	2,516,590.5
	2	3,415,748.3	2,175,040.4	1,409,205.9	6,999,994.5
	3	15,884,224.7	9,554,368.7	6,663,853.8	32,102,447.2
	4	13,903,197.4	8,137,186.7	5,931,204.2	27,971,588.3
	5	1,198,095.1	663,482.5	452,438.1	2,314,015.6
3		35,633,044.9	21,289,419.3	14,982,172.0	71,904,636.2
	1	782,951.8	429,202.3	291,420.9	1,503,575.0
	2	1,771,999.2	1,089,560.1	765,386.5	3,626,945.8
	3	8,283,445.9	5,650,507.7	3,820,769.6	17,754,723.3
	4	7,661,310.3	5,034,368.9	3,822,405.5	16,518,084.7
	5	892,987.3	536,218.1	400,233.4	1,829,438.7
4		19,392,694.5	12,739,857.1	9,100,216.0	41,232,767.6
	1	224,308.2	143,683.6	107,567.2	475,559.0
	2	741,723.3	618,918.6	471,764.8	1,832,406.7
	3	3,430,432.1	3,216,866.8	2,701,132.0	9,348,430.8
	4	3,818,984.2	3,014,890.8	2,465,199.4	9,299,074.3
	5	971,684.3	542,732.9	391,113.2	1,905,530.4
5		9,187,132.1	7,537,092.6	6,136,776.5	22,861,001.2
	2	267,899.1	135,131.0	90,223.1	493,253.2
	3	527,808.9	245,802.1	155,803.7	929,414.7
	4	657,835.0	308,292.2	193,483.8	1,159,611.1
	5	45,293.1	24,053.2	15,133.2	84,479.5
6		1,498,836.2	713,278.5	454,643.8	2,666,758.6
	1	253,458.7	112,169.0	64,019.9	429,647.7
	2	1,720,942.1	768,881.9	438,348.8	2,928,172.7
	3	6,946,935.2	3,085,669.0	1,759,183.7	11,791,787.9
	4	9,715,305.2	4,349,207.0	2,495,514.9	16,560,027.1
	5	1,330,954.1	593,344.7	340,622.2	2,264,921.0
8		19,967,595.3	8,909,271.6	5,097,689.4	33,974,556.4
		118,925,213.1	68,400,847.3	47,647,864.1	234,973,924.6

2006 Mobile Sources Emissions in Nonattainment Area

Off Peak Emissions

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF
	2	1,647,797.0	1,848,716.4	3,773,379.2	944,491.8	8,214,384.5
	3	5,346,538.8	4,948,350.8	10,047,650.9	2,430,910.0	22,773,450.5
	4	8,798,191.2	9,877,792.6	18,485,832.5	4,421,424.3	41,583,240.7
	5	3,542,355.2	4,161,351.3	9,001,097.3	2,078,139.8	18,782,943.7
1		19,334,882.2	20,836,211.2	41,307,960.0	9,874,966.0	91,354,019.3
	2	160,410.9	191,401.6	436,625.5	113,019.4	901,457.5
	3	493,032.0	671,042.8	1,448,490.8	343,138.9	2,955,704.5
	4	1,178,211.2	1,403,325.4	3,173,723.4	810,302.8	6,565,562.8
	5	61,516.6	72,188.6	174,723.2	46,284.7	354,713.1
2		1,893,170.7	2,337,958.5	5,233,562.9	1,312,745.8	10,777,437.9
	1	399,733.5	481,582.4	1,145,891.8	314,620.4	2,341,828.0
	2	1,245,869.6	1,563,860.8	3,743,608.0	1,020,066.1	7,573,404.5
	3	6,230,581.9	7,692,252.1	18,231,658.9	4,884,671.1	37,039,164.0
	4	6,876,686.5	8,254,961.9	18,871,381.9	4,858,528.1	38,861,558.4
	5	591,415.2	697,133.0	1,574,078.9	411,088.7	3,273,715.7
3		15,344,286.7	18,689,790.1	43,566,619.4	11,488,974.5	89,089,670.7
	1	260,804.8	315,936.0	753,340.2	199,771.3	1,529,852.3
	2	595,893.3	725,443.3	1,725,666.0	478,063.4	3,525,066.0
	3	2,633,252.7	3,212,249.3	7,969,966.6	2,198,146.5	16,013,615.0
	4	3,557,065.5	4,282,799.7	9,996,017.6	2,753,062.0	20,588,944.8
	5	438,728.5	516,376.5	1,148,671.8	297,337.4	2,401,114.2
4		7,485,744.8	9,052,804.8	21,593,662.1	5,926,380.6	44,058,592.4
	1	74,640.7	89,275.6	202,012.7	51,626.3	417,555.2
	2	177,836.6	220,066.8	529,489.9	150,365.9	1,077,759.3
	3	992,235.1	1,165,810.4	2,808,890.1	816,197.4	5,783,133.1
	4	1,159,152.5	1,378,948.5	3,268,273.8	901,162.9	6,707,537.8
	5	570,615.6	670,771.6	1,477,378.4	364,791.4	3,083,556.9
5		2,974,480.5	3,524,872.9	8,286,044.9	2,284,144.0	17,069,542.3
	2	107,705.8	139,002.7	313,460.6	76,420.8	636,589.9
	3	262,087.5	314,148.6	703,146.3	169,960.7	1,449,343.1
	4	344,606.0	422,831.7	934,916.3	234,483.7	1,936,837.7
	5	24,219.1	28,589.6	62,600.0	16,004.8	131,413.5
6		738,618.3	904,572.6	2,014,123.2	496,870.0	4,154,184.2
	1	120,207.4	139,808.2	304,719.3	74,408.9	639,143.8
	2	781,490.8	911,406.5	1,993,209.9	484,302.9	4,170,410.1
	3	3,420,577.1	3,964,669.5	8,662,820.7	2,105,605.0	18,153,672.4
	4	5,636,929.2	6,566,882.5	14,330,604.4	3,489,843.4	30,024,259.5
	5	905,006.0	1,039,312.8	2,271,097.3	554,616.4	4,770,032.6
8		10,864,210.6	12,622,079.5	27,562,451.7	6,708,776.6	57,757,518.4
		58,635,393.8	67,968,289.6	149,564,424.3	38,092,857.5	314,260,965.2

2013 Mobile Sources Emissions in Dispersion Modeling Domain

AM PERIOD Emissions

ROAD CLASS	AREA TYPE	AMEM PD1	AMEM PD2	AMEM PD3	AMEM TOTAL
	2	1,306,252.3	908,511.4	1,269,359.6	3,484,123.2
	3	3,334,771.3	2,287,663.8	3,148,270.4	8,770,705.6
	4	6,376,551.5	4,685,758.4	6,922,311.1	17,984,621.0
	5	3,626,305.5	1,895,709.3	1,937,528.4	7,459,543.2
1		14,643,880.6	9,777,642.9	13,277,469.6	37,698,993.0
	2	199,487.6	156,904.1	227,093.1	583,484.8
	3	1,953,007.2	1,424,581.4	2,040,831.9	5,418,420.5
	4	4,279,258.5	3,318,464.7	4,801,067.0	12,398,790.2
	5	530,218.2	397,747.7	546,873.4	1,474,839.4
2		6,961,971.6	5,297,697.9	7,615,865.4	19,875,534.9
	1	462,011.5	330,640.7	454,566.9	1,247,219.1
	2	1,551,847.7	1,248,309.3	1,650,676.7	4,450,833.7
	3	6,136,348.8	4,660,733.3	6,689,908.2	17,486,990.4
	4	6,021,138.4	4,697,573.5	6,913,294.7	17,632,006.6
	5	918,647.6	673,857.5	949,336.4	2,541,841.5
3		15,089,994.0	11,611,114.3	16,657,782.9	43,358,891.2
	1	248,496.9	177,464.9	237,649.6	663,611.5
	2	525,395.4	416,918.8	549,376.1	1,491,690.3
	3	2,825,726.6	2,367,286.2	3,358,794.9	8,551,807.7
	4	3,413,536.2	3,031,577.2	4,863,666.7	11,308,780.1
	5	375,330.8	284,563.1	407,093.1	1,066,987.0
4		7,388,485.8	6,277,810.2	9,416,580.5	23,082,876.5
	1	85,488.8	68,517.7	100,666.7	254,673.2
	2	316,260.5	297,311.9	451,344.9	1,064,917.4
	3	1,882,456.7	2,025,348.3	3,422,334.0	7,330,139.0
	4	2,461,006.6	2,296,043.8	3,729,419.0	8,486,469.3
	5	747,744.8	560,262.2	832,283.7	2,140,290.6
5		5,492,957.5	5,247,483.8	8,536,048.3	19,276,489.6
	2	97,236.5	66,881.5	90,987.5	255,105.4
	3	222,977.5	146,072.7	186,747.6	555,797.7
	4	385,505.0	263,447.9	335,533.2	984,486.1
	5	28,678.6	20,886.5	27,350.3	76,915.4
6		734,397.5	497,288.6	640,618.5	1,872,304.6
	1	83,791.5	50,966.1	57,720.4	192,478.0
	2	548,592.0	335,123.9	381,008.2	1,264,724.1
	3	2,902,193.9	1,772,970.7	2,011,916.5	6,687,081.1
	4	4,773,188.1	2,925,971.9	3,334,620.4	11,033,780.3
	5	1,758,207.9	1,075,700.7	1,226,333.8	4,060,242.5
8		10,065,973.4	6,160,733.3	7,011,599.3	23,238,306.0
		60,377,660.4	44,869,771.1	63,155,964.5	168,403,396.0

2013 Mobile Sources Emissions in Dispersion Modeling Domain

PM PERIOD Emissions

ROAD CLASS	AREA TYPE	PMEM PD1	PMEM PD2	PMEM PD3	PMEM TOTAL
	2	3,229,492.2	1,665,224.8	1,148,454.6	6,043,171.5
	3	7,668,418.5	4,073,235.0	2,856,572.3	14,598,225.9
	4	14,281,460.2	7,509,652.8	5,290,215.9	27,081,328.9
	5	8,773,738.2	3,569,098.8	1,689,623.7	14,032,460.7
1		33,953,109.1	16,817,211.4	10,984,866.5	61,755,187.0
	2	495,305.8	263,265.3	191,636.2	950,207.3
	3	4,435,403.8	2,590,638.3	1,815,247.5	8,841,289.7
	4	9,900,033.9	5,695,276.2	4,032,822.6	19,628,132.7
	5	1,161,017.8	622,139.8	427,615.6	2,210,773.1
2		15,991,761.3	9,171,319.6	6,467,321.8	31,630,402.8
	1	1,322,349.9	823,280.4	556,508.8	2,702,139.1
	2	3,882,997.8	2,416,007.3	1,559,588.6	7,858,593.6
	3	13,887,098.1	8,301,160.6	6,076,181.4	28,264,440.1
	4	12,566,737.1	7,143,701.4	5,231,250.3	24,941,688.8
	5	2,016,183.1	1,091,931.3	734,626.4	3,842,740.7
3		33,675,365.9	19,776,080.9	14,158,155.4	67,609,602.3
	1	839,499.2	442,552.3	306,173.2	1,588,224.7
	2	1,375,727.4	839,292.8	572,606.4	2,787,626.7
	3	5,839,007.1	3,896,802.5	2,841,840.6	12,577,650.1
	4	5,354,023.6	3,482,748.2	2,747,997.1	11,584,768.9
	5	828,113.0	445,030.2	337,944.3	1,611,087.6
4		14,236,370.3	9,106,426.1	6,806,561.6	30,149,358.0
	1	279,755.9	199,738.1	153,492.4	632,986.5
	2	828,700.6	661,709.8	515,702.3	2,006,112.7
	3	3,010,636.6	2,897,782.2	2,484,160.4	8,392,579.3
	4	3,773,168.7	2,870,408.4	2,311,246.0	8,954,823.1
	5	1,209,071.5	630,526.0	431,892.7	2,271,490.3
5		9,101,333.4	7,260,164.6	5,896,493.9	22,257,991.8
	2	300,521.8	147,554.7	97,933.3	546,009.8
	3	534,803.4	249,592.6	156,303.5	940,699.6
	4	739,823.4	369,563.5	228,553.3	1,337,940.1
	5	63,515.4	31,754.1	21,090.0	116,359.5
6		1,638,663.9	798,464.9	503,880.1	2,941,009.0
	1	317,933.8	140,698.8	80,284.9	538,917.5
	2	1,673,892.1	743,562.2	424,296.8	2,841,751.1
	3	7,019,272.3	3,114,769.0	1,775,602.6	11,909,644.0
	4	10,832,865.4	4,849,858.7	2,780,475.0	18,463,199.1
	5	3,426,382.5	1,531,569.5	877,015.0	5,834,967.0
8		23,270,346.2	10,380,458.3	5,937,674.2	39,588,478.8
		131,866,950.1	73,310,125.9	50,754,953.6	255,932,029.6

2013 Mobile Sources Emissions in Dispersion Modeling Domain

Off Peak Emissions

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF
	2	1,820,064.5	1,929,752.1	3,954,902.1	972,455.2	8,677,173.9
	3	5,671,049.7	5,127,401.0	10,438,443.9	2,482,097.7	23,718,992.2
	4	10,022,356.4	10,976,259.1	20,936,264.1	4,962,724.2	46,897,603.9
	5	5,705,055.1	6,682,805.8	14,574,467.6	3,464,924.0	30,427,252.5
1		23,218,525.7	24,716,218.0	49,904,077.8	11,882,201.0	109,721,022.5
	2	212,897.4	252,545.8	589,503.0	156,206.4	1,211,152.6
	3	1,903,357.9	2,345,168.7	5,397,850.1	1,389,951.8	11,036,328.4
	4	4,318,240.0	5,257,320.0	12,102,926.5	3,126,595.8	24,805,082.4
	5	562,108.9	688,021.5	1,575,207.4	412,819.1	3,238,156.9
2		6,996,604.2	8,543,055.9	19,665,487.1	5,085,573.1	40,290,720.3
	1	427,111.1	544,513.7	1,303,704.0	354,760.2	2,630,089.0
	2	1,392,267.2	1,794,716.9	4,325,347.3	1,134,470.6	8,646,802.1
	3	5,507,654.7	6,837,609.6	16,152,861.0	4,294,085.9	32,792,211.2
	4	6,279,179.4	7,494,372.1	16,958,427.8	4,345,210.7	35,077,189.9
	5	1,125,452.6	1,310,460.9	2,949,516.1	735,686.5	6,121,116.1
3		14,731,664.9	17,981,673.3	41,689,856.3	10,864,213.9	85,267,408.3
	1	278,924.2	343,417.6	821,404.4	217,465.6	1,661,211.8
	2	477,177.3	608,649.9	1,425,971.2	389,377.1	2,901,175.5
	3	1,779,653.0	2,231,846.4	5,603,404.7	1,562,784.9	11,177,689.0
	4	2,529,000.3	3,027,737.7	7,167,473.3	1,930,587.4	14,654,798.7
	5	446,424.5	535,730.3	1,200,310.7	294,111.4	2,476,576.9
4		5,511,179.2	6,747,381.9	16,218,564.3	4,394,326.4	32,871,451.8
	1	94,053.0	111,734.4	250,715.0	66,314.5	522,816.8
	2	183,903.3	231,680.2	598,931.1	170,726.7	1,185,241.3
	3	978,209.0	1,161,251.3	2,767,272.1	769,719.5	5,676,451.7
	4	1,308,680.6	1,576,771.0	3,696,140.2	975,306.0	7,556,897.9
	5	737,787.6	894,812.3	1,980,533.1	474,308.0	4,087,441.0
5		3,302,633.5	3,976,249.1	9,293,591.4	2,456,374.7	19,028,848.7
	2	105,966.2	137,167.7	331,962.2	88,206.6	663,302.6
	3	272,141.4	317,733.6	704,166.2	171,199.8	1,465,241.1
	4	378,488.8	466,358.5	1,030,325.0	258,640.3	2,133,812.6
	5	34,650.2	40,498.0	90,775.4	22,340.5	188,264.2
6		791,246.7	961,757.8	2,157,228.7	540,387.2	4,450,620.5
	1	153,035.0	177,009.5	387,946.4	93,284.5	811,275.4
	2	775,220.6	902,590.5	1,974,485.7	475,666.2	4,127,963.1
	3	3,529,989.7	4,096,057.3	8,972,552.8	2,165,020.0	18,763,619.7
	4	6,385,141.8	7,381,663.3	16,163,817.5	3,907,453.2	33,838,075.8
	5	2,489,319.4	2,885,085.1	6,295,789.0	1,524,154.2	13,194,347.8
8		13,332,706.6	15,442,405.6	33,794,591.4	8,165,578.1	70,735,281.8
		67,884,560.8	78,368,741.7	172,723,396.9	43,388,654.4	362,365,353.8

2013 Mobile Sources Emissions in Nonattainment Area

AM PERIOD Emissions

ROAD CLASS	AREA TYPE	AMEM PD1	AMEM PD2	AMEM PD3	AMEM TOTAL
	2	1,306,252.3	908,511.4	1,269,359.6	3,484,123.2
	3	3,334,771.3	2,287,663.8	3,148,270.4	8,770,705.6
	4	6,224,175.1	4,574,199.1	6,758,414.5	17,556,788.7
	5	2,488,182.0	1,313,692.8	1,346,380.1	5,148,254.8
1		13,353,380.6	9,084,067.1	12,522,424.7	34,959,872.4
	2	199,487.6	156,904.1	227,093.1	583,484.8
	3	1,953,007.2	1,424,581.4	2,040,831.9	5,418,420.5
	4	3,944,456.6	3,049,463.1	4,379,343.5	11,373,263.2
	5	353,145.2	270,137.6	375,798.7	999,081.4
2		6,450,096.6	4,901,086.2	7,023,067.2	18,374,250.0
	1	462,011.5	330,640.7	454,566.9	1,247,219.1
	2	1,551,847.7	1,248,309.3	1,650,676.7	4,450,833.7
	3	6,100,046.2	4,634,062.1	6,650,845.1	17,384,953.5
	4	5,649,194.2	4,415,558.4	6,504,243.1	16,568,995.7
	5	617,684.5	449,095.2	625,365.7	1,692,145.4
3		14,380,784.1	11,077,665.7	15,885,697.5	41,344,147.2
	1	248,496.9	177,464.9	237,649.6	663,611.5
	2	525,395.4	416,918.8	549,376.1	1,491,690.3
	3	2,802,695.8	2,347,460.3	3,331,471.6	8,481,627.8
	4	3,264,950.8	2,909,701.4	4,680,743.2	10,855,395.4
	5	210,771.5	161,489.6	234,961.0	607,222.1
4		7,052,310.4	6,013,035.0	9,034,201.5	22,099,546.9
	1	85,488.8	68,517.7	100,666.7	254,673.2
	2	316,260.5	297,311.9	451,344.9	1,064,917.4
	3	1,879,353.1	2,022,583.5	3,417,555.0	7,319,491.6
	4	2,374,006.5	2,232,635.5	3,641,161.0	8,247,802.9
	5	608,824.0	466,953.2	714,044.8	1,789,822.0
5		5,263,932.9	5,088,001.8	8,324,772.4	18,676,707.1
	2	97,236.5	66,881.5	90,987.5	255,105.4
	3	222,977.5	146,072.7	186,747.6	555,797.7
	4	378,898.3	258,829.3	329,521.8	967,249.3
	5	22,761.5	16,778.2	21,895.9	61,435.6
6		721,873.7	488,561.6	629,152.7	1,839,588.0
	1	83,791.5	50,966.1	57,720.4	192,478.0
	2	548,592.0	335,123.9	381,008.2	1,264,724.1
	3	2,883,520.3	1,761,512.3	1,998,944.7	6,643,977.3
	4	4,597,683.9	2,817,999.1	3,211,807.8	10,627,490.8
	5	769,895.3	472,394.4	536,825.9	1,779,115.6
8		8,883,483.0	5,437,995.9	6,186,307.0	20,507,785.9
		56,105,861.4	42,090,413.2	59,605,623.1	157,801,897.6

2013 Mobile Sources Emissions in Nonattainment Area

PM PERIOD Emissions

ROAD CLASS	AREA TYPE	PMEM PD1	PMEM PD2	PMEM PD3	PMEM TOTAL
	2	3,229,492.2	1,665,224.8	1,148,454.6	6,043,171.5
	3	7,668,418.5	4,073,235.0	2,856,572.3	14,598,225.9
	4	13,940,746.0	7,333,824.8	5,167,986.3	26,442,557.1
	5	5,909,031.5	2,461,891.8	1,169,890.8	9,540,814.0
1		30,747,688.1	15,534,176.3	10,342,904.0	56,624,768.5
	2	495,305.8	263,265.3	191,636.2	950,207.3
	3	4,435,403.8	2,590,638.3	1,815,247.5	8,841,289.7
	4	9,146,166.7	5,234,331.8	3,672,228.8	18,052,727.4
	5	734,495.8	409,179.5	283,268.3	1,426,943.7
2		14,811,372.1	8,497,415.0	5,962,380.9	29,271,167.9
	1	1,322,349.9	823,280.4	556,508.8	2,702,139.1
	2	3,882,997.8	2,416,007.3	1,559,588.6	7,858,593.6
	3	13,791,482.0	8,249,024.9	6,037,791.0	28,078,297.8
	4	11,787,273.5	6,697,869.2	4,908,256.4	23,393,399.2
	5	1,334,212.3	717,265.7	480,105.9	2,531,583.8
3		32,118,315.4	18,903,447.5	13,542,250.7	64,564,013.5
	1	839,499.2	442,552.3	306,173.2	1,588,224.7
	2	1,375,727.4	839,292.8	572,606.4	2,787,626.7
	3	5,790,622.3	3,861,188.2	2,815,565.1	12,467,375.6
	4	5,091,903.9	3,334,076.3	2,635,406.0	11,061,386.3
	5	443,083.9	255,119.8	202,783.8	900,987.6
4		13,540,836.7	8,732,229.5	6,532,534.6	28,805,600.8
	1	279,755.9	199,738.1	153,492.4	632,986.5
	2	828,700.6	661,709.8	515,702.3	2,006,112.7
	3	3,005,947.1	2,893,799.6	2,481,110.6	8,380,857.4
	4	3,600,705.5	2,781,658.0	2,251,734.9	8,634,098.4
	5	971,997.2	517,595.8	360,084.9	1,849,677.8
5		8,687,106.4	7,054,501.3	5,762,125.1	21,503,732.8
	2	300,521.8	147,554.7	97,933.3	546,009.8
	3	534,803.4	249,592.6	156,303.5	940,699.6
	4	729,698.5	364,207.5	224,656.7	1,318,562.7
	5	47,927.6	24,074.3	16,202.5	88,204.3
6		1,612,951.2	785,429.1	495,096.1	2,893,476.4
	1	317,933.8	140,698.8	80,284.9	538,917.5
	2	1,673,892.1	743,562.2	424,296.8	2,841,751.1
	3	6,976,108.1	3,095,431.6	1,764,573.0	11,836,112.6
	4	10,435,002.1	4,671,351.6	2,677,765.7	17,784,119.3
	5	1,494,852.0	667,928.8	381,873.7	2,544,654.6
8		20,897,788.1	9,318,973.0	5,328,794.1	35,545,555.1
		122,416,058.0	68,826,171.8	47,966,085.3	239,208,315.1

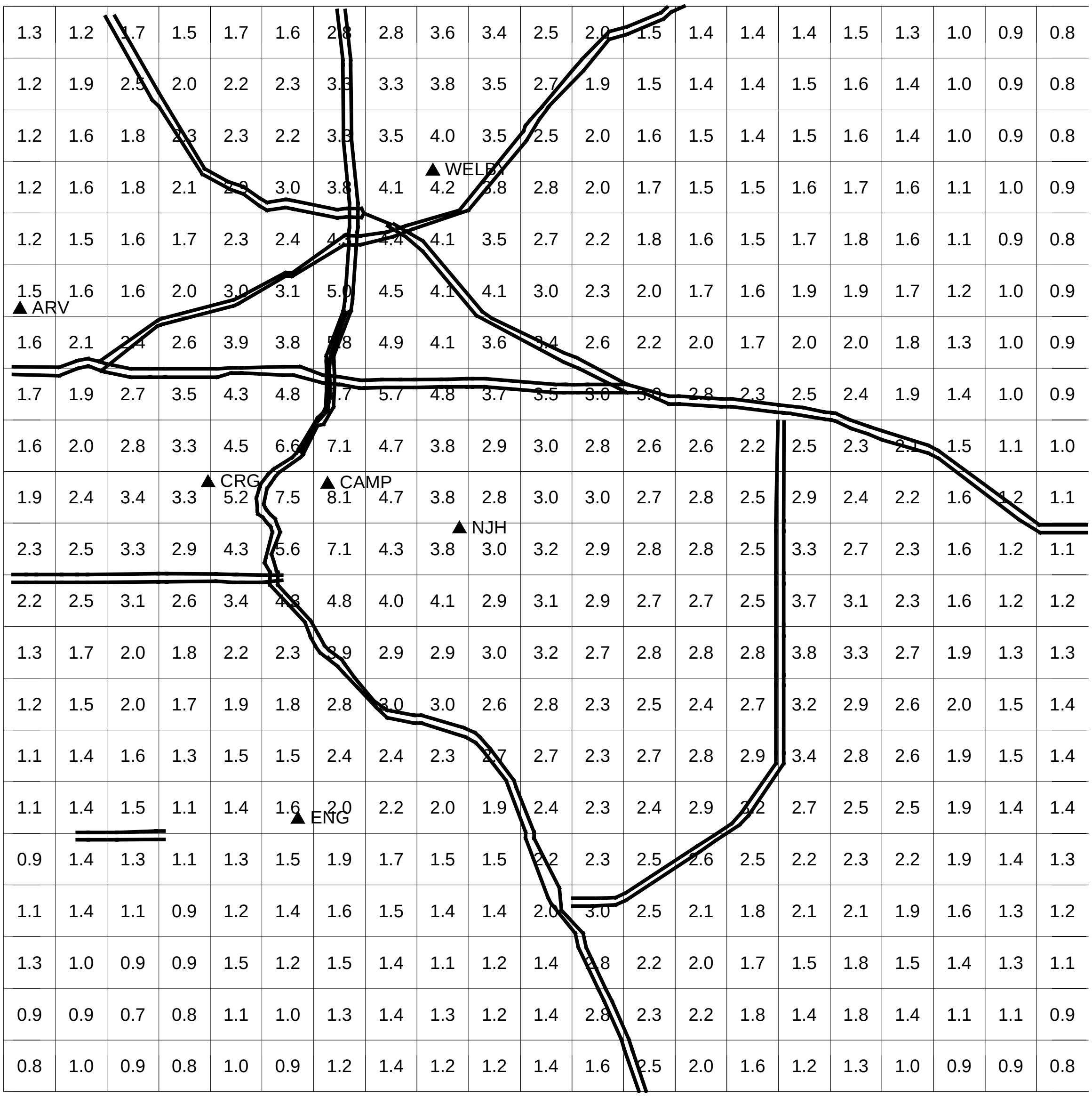
2013 Mobile Sources Emissions in Nonattainment Area

Off Peak Emissions

FUN CLASS	AREA TYPE	OFF PD1	OFF PD2	OFF PD3	OFF PD4	TOTAL OFF
	2	1,820,064.5	1,929,752.1	3,954,902.1	972,455.2	8,677,173.9
	3	5,671,049.7	5,127,401.0	10,438,443.9	2,482,097.7	23,718,992.2
	4	9,763,022.3	10,682,783.9	20,364,791.5	4,824,058.0	45,634,655.6
	5	3,729,599.1	4,340,016.1	9,445,543.0	2,247,519.8	19,762,678.1
1		20,983,735.5	22,079,953.1	44,203,680.5	10,526,130.6	97,793,499.8
	2	212,897.4	252,545.8	589,503.0	156,206.4	1,211,152.6
	3	1,903,357.9	2,345,168.7	5,397,850.1	1,389,951.8	11,036,328.4
	4	3,953,074.9	4,815,322.7	11,097,619.1	2,871,008.2	22,737,024.9
	5	284,044.7	357,775.8	846,274.4	236,314.9	1,724,409.7
2		6,353,374.9	7,770,812.9	17,931,246.6	4,653,481.3	36,708,915.7
	1	427,111.1	544,513.7	1,303,704.0	354,760.2	2,630,089.0
	2	1,392,267.2	1,794,716.9	4,325,347.3	1,134,470.6	8,646,802.1
	3	5,460,466.8	6,780,858.5	16,022,361.4	4,259,506.4	32,523,193.0
	4	5,867,667.1	7,005,134.9	15,865,484.8	4,063,011.5	32,801,298.3
	5	722,061.3	834,369.9	1,865,753.2	463,077.2	3,885,261.6
3		13,869,573.4	16,959,593.8	39,382,650.8	10,274,825.9	80,486,644.0
	1	278,924.2	343,417.6	821,404.4	217,465.6	1,661,211.8
	2	477,177.3	608,649.9	1,425,971.2	389,377.1	2,901,175.5
	3	1,762,558.3	2,210,944.3	5,554,460.5	1,548,887.5	11,076,850.6
	4	2,370,757.0	2,841,624.6	6,734,036.5	1,823,843.9	13,770,262.1
	5	216,615.6	269,063.4	605,414.4	151,694.6	1,242,788.0
4		5,106,032.4	6,273,699.9	15,141,287.1	4,131,268.8	30,652,288.1
	1	94,053.0	111,734.4	250,715.0	66,314.5	522,816.8
	2	183,903.3	231,680.2	598,931.1	170,726.7	1,185,241.3
	3	976,655.2	1,159,375.5	2,762,941.9	768,569.2	5,667,541.8
	4	1,220,477.9	1,474,465.3	3,464,070.0	918,639.8	7,077,653.1
	5	583,746.2	717,862.9	1,578,246.5	378,126.9	3,257,982.5
5		3,058,835.7	3,695,118.4	8,654,904.4	2,302,377.0	17,711,235.5
	2	105,966.2	137,167.7	331,962.2	88,206.6	663,302.6
	3	272,141.4	317,733.6	704,166.2	171,199.8	1,465,241.1
	4	373,192.6	459,623.4	1,014,758.9	254,712.5	2,102,287.4
	5	26,893.3	30,927.7	68,661.0	16,923.9	143,405.8
6		778,193.5	945,452.3	2,119,548.3	531,042.8	4,374,236.9
	1	153,035.0	177,009.5	387,946.4	93,284.5	811,275.4
	2	775,220.6	902,590.5	1,974,485.7	475,666.2	4,127,963.1
	3	3,508,794.1	4,071,061.6	8,917,838.7	2,151,934.3	18,649,628.7
	4	6,147,814.6	7,107,935.4	15,565,673.3	3,763,127.2	32,584,550.5
	5	1,045,053.4	1,199,079.7	2,612,222.5	629,111.6	5,485,467.2
8		11,629,917.7	13,457,676.6	29,458,166.7	7,113,123.8	61,658,884.8
		61,779,663.0	71,182,307.1	156,891,484.5	39,532,250.2	329,385,704.8

Appendix E – Urban Airshed Modeling: High Episode 2006 Results (Run H)

Maximum 8-hr Average Carbon Monoxide Concentration Estimates (ppm)
from the Urban Airshed Model for Denver Colorado
2006 Projection for the "High" Episode (05DEC88)
Control Strategy: 1.5%oxyFuels; 80%RemoteSensing;4yrExempt I/M240
On-Road Mobile Emission Inventory Total = 845 tons/day



1.3	1.2	1.7	1.5	1.7	1.6	2.8	2.8	3.6	3.4	2.5	2.0	1.5	1.4	1.4	1.4	1.5	1.3	1.0	0.9	0.8
1.2	1.9	2.5	2.0	2.2	2.3	3.3	3.3	3.8	3.5	2.7	1.9	1.5	1.4	1.4	1.5	1.6	1.4	1.0	0.9	0.8
1.2	1.6	1.8	2.3	2.3	2.2	3.3	3.5	4.0	3.5	2.5	2.0	1.6	1.5	1.4	1.5	1.6	1.4	1.0	0.9	0.8
1.2	1.6	1.8	2.1	2.9	3.0	3.8	4.1	4.2	3.8	2.8	2.0	1.7	1.5	1.5	1.6	1.7	1.6	1.1	1.0	0.9
1.2	1.5	1.6	1.7	2.3	2.4	[illegible]	4.4	4.1	3.5	2.7	2.2	1.8	1.6	1.5	1.7	1.8	1.6	1.1	0.9	0.8
1.5	1.6	1.6	2.0	3.0	3.1	5.0	4.5	4.1	4.1	3.0	2.3	2.0	1.7	1.6	1.9	1.9	1.7	1.2	1.0	0.9
1.6	2.1	2.4	2.6	3.9	3.8	5.8	4.9	4.1	3.6	3.4	2.6	2.2	2.0	1.7	2.0	2.0	1.8	1.3	1.0	0.9
1.7	1.9	2.7	3.5	4.3	4.8	[illegible]	5.7	4.8	3.7	3.5	3.0	3.0	2.8	2.3	2.5	2.4	1.9	1.4	1.0	0.9
1.6	2.0	2.8	3.3	4.5	6.6	7.1	4.7	3.8	2.9	3.0	2.8	2.6	2.6	2.2	2.5	2.3	2.1	1.5	1.1	1.0
1.9	2.4	3.4	3.3	5.2	7.5	8.1	4.7	3.8	2.8	3.0	3.0	2.7	2.8	2.5	2.9	2.4	2.2	1.6	1.2	1.1
2.3	2.5	3.3	2.9	4.3	5.6	7.1	4.3	3.8	3.0	3.2	2.9	2.8	2.8	2.5	3.3	2.7	2.3	1.6	1.2	1.1
2.2	2.5	3.1	2.6	3.4	4.3	4.8	4.0	4.1	2.9	3.1	2.9	2.7	2.7	2.5	3.7	3.1	2.3	1.6	1.2	1.2
1.3	1.7	2.0	1.8	2.2	2.3	3.9	2.9	2.9	3.0	3.2	2.7	2.8	2.8	2.8	3.8	3.3	2.7	1.9	1.3	1.3
1.2	1.5	2.0	1.7	1.9	1.8	2.8	3.0	3.0	2.6	2.8	2.3	2.5	2.4	2.7	3.2	2.9	2.6	2.0	1.5	1.4
1.1	1.4	1.6	1.3	1.5	1.5	2.4	2.4	2.3	2.7	2.7	2.3	2.7	2.8	2.9	3.4	2.8	2.6	1.9	1.5	1.4
1.1	1.4	1.5	1.1	1.4	1.6	2.0	2.2	2.0	1.9	2.4	2.3	2.4	2.9	3.2	2.7	2.5	2.5	1.9	1.4	1.4
0.9	1.4	1.3	1.1	1.3	1.5	1.9	1.7	1.5	1.5	2.2	2.3	2.5	2.6	2.5	2.2	2.3	2.2	1.9	1.4	1.3
1.1	1.4	1.1	0.9	1.2	1.4	1.6	1.5	1.4	1.4	2.0	3.0	2.5	2.1	1.8	2.1	2.1	1.9	1.6	1.3	1.2
1.3	1.0	0.9	0.9	1.5	1.2	1.5	1.4	1.1	1.2	1.4	2.8	2.2	2.0	1.7	1.5	1.8	1.5	1.4	1.3	1.1
0.9	0.9	0.7	0.8	1.1	1.0	1.3	1.4	1.3	1.2	1.4	2.8	2.3	2.2	1.8	1.4	1.8	1.4	1.1	1.1	0.9
0.8	1.0	0.9	0.8	1.0	0.9	1.2	1.4	1.2	1.2	1.4	1.6	2.5	2.0	1.6	1.2	1.3	1.0	0.9	0.9	0.8

One Grid is One Square Mile

The value in each grid cell shows the maximum CO 8-hr running average for the entire simulation

URBAN AIRHSED MODEL OUTPUT – RUNNING 8-HOUR AVERAGES FOR ENTIRE DOMAIN

```
\ FILENAME: c:\den_co\graphix\h\tmap8_h.max
\ UAM Level 1
\ CO SIP for Denver, Colorado
\ Episode code processed: h
\ Base episode code:      a (05DEC88)
\ H: 2006 mobile=844.7 tpd 27aug99 06aoxy15.prn
\ 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;27aug99PTS
\ MET A7: DWMZ=12,UAMZ=5,DB=40-225,SimDrainJet,ModEC, 11-01-93
\ QA Check - select files used in 2nd day of simulation:
\   c:\den_co\inputs\h\ar_h2.b??, 08-27-99 (EI year: 2006)
\   c:\den_co\inputs\h\pt_h2.bin, 01-11-94
\   c:\den_co\inputs\a\uw_a2.bin, 11-01-93
\   c:\den_co\outputs\h\avg_h2.out, 08-27-99
\
\ TMAP run dated: 08:52:45 08-31-99
\ 8-Hr Averaging Period
\ Time, magnitude, and location of max/min predicted concentration
\
Ending time  600.
UAM Maximum  8-hr average:  2.12 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  700.
UAM Maximum  8-hr average:  2.02 cell (21,47)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  800.
UAM Maximum  8-hr average:  1.95 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  900.
UAM Maximum  8-hr average:  1.72 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time 1000.
UAM Maximum  8-hr average:  1.46 cell (21,47)
UAM Minimum  8-hr average:  0.18 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time 1100.
UAM Maximum  8-hr average:  1.35 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

---------------------------------------------------------------------------------------


Ending time 1200.
UAM Maximum  8-hr average:  1.37 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

---------------------------------------------------------------------------------------


Ending time 1300.
UAM Maximum  8-hr average:  1.41 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

---------------------------------------------------------------------------------------


Ending time 1400.
UAM Maximum  8-hr average:  1.49 cell (23,43)
UAM Minimum  8-hr average:  0.19 cell ( 3,37)

---------------------------------------------------------------------------------------
```

```
Ending time 1500.
UAM Maximum  8-hr average:  1.61 cell (23,43)
UAM Minimum  8-hr average:  0.19 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1600.
UAM Maximum  8-hr average:  1.63 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1700.
UAM Maximum  8-hr average:  2.66 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1800.
UAM Maximum  8-hr average:  4.74 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (28,15)

----------------------------------------------------------------------------------------


Ending time 1900.
UAM Maximum  8-hr average:  6.62 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             6.618
    23     43             6.162
----------------------------------------------------------------------------------------


Ending time 2000.
UAM Maximum  8-hr average:  7.42 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.094
    22     43             6.886
    23     43             7.418
----------------------------------------------------------------------------------------


Ending time 2100.
UAM Maximum  8-hr average:  7.70 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.114
    22     43             7.177
    23     43             7.704
    23     44             6.149
    23     45             6.594
----------------------------------------------------------------------------------------


Ending time 2200.
UAM Maximum  8-hr average:  7.90 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)
```

```
    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            7.091
    22     43            7.362
    23     43            7.904
    22     44            6.036
    23     44            6.544
    23     45            7.103
------------------------------------------------------------------------------------------


Ending time 2300.
UAM Maximum  8-hr average:  8.08 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            7.023
    22     43            7.498
    23     43            8.078
    22     44            6.362
    23     44            6.874
    23     45            7.460
------------------------------------------------------------------------------------------


Ending time    0.
UAM Maximum  8-hr average:  8.06 cell (23,43)
UAM Minimum  8-hr average:  0.16 cell (28,16)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            6.771
    22     43            7.489
    23     43            8.058
    22     44            6.595
    23     44            7.079
    23     45            7.712
------------------------------------------------------------------------------------------


Ending time  100.
UAM Maximum  8-hr average:  7.32 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    22     43            6.654
    23     43            7.129
    22     44            6.321
    23     44            6.699
    23     45            7.317
------------------------------------------------------------------------------------------


Ending time  200.
UAM Maximum  8-hr average:  6.33 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     45            6.333
------------------------------------------------------------------------------------------


Ending time  300.
UAM Maximum  8-hr average:  5.27 cell (23,45)
```

```
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  400.
UAM Maximum  8-hr average:  4.09 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  500.
UAM Maximum  8-hr average:  3.25 cell (25,49)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  600.
UAM Maximum  8-hr average:  2.69 cell (25,50)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  700.
UAM Maximum  8-hr average:  2.25 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  800.
UAM Maximum  8-hr average:  2.27 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time  900.
UAM Maximum  8-hr average:  2.05 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

------------------------------------------------------------------------------------------


Ending time 1000.
UAM Maximum  8-hr average:  2.00 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (28,28)

------------------------------------------------------------------------------------------


Ending time 1100.
UAM Maximum  8-hr average:  2.17 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

------------------------------------------------------------------------------------------


Ending time 1200.
UAM Maximum  8-hr average:  2.28 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

------------------------------------------------------------------------------------------
```

File: ar_h_tot.qa0

Daily emissions for each source category as input to the Urban Airshed Model

```
CO: TOTAL EMISSIONS FOR CATEGORY       AMP     BEFORE HRLY SCALARS APPLIED  =     189.222419       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =     189.222424       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     189.222419       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       PMP     BEFORE HRLY SCALARS APPLIED  =     243.444664       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =     243.444664       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     432.667083       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       OFP     BEFORE HRLY SCALARS APPLIED  =     411.966074       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =     411.883685       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     844.633157       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY        RR     BEFORE HRLY SCALARS APPLIED  =       0.333074       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       0.333074       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     844.966232       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       HLI     BEFORE HRLY SCALARS APPLIED  =       0.370857       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       0.370857       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     845.337089       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY        AC     BEFORE HRLY SCALARS APPLIED  =      22.300800       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =      22.456905       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     867.637889       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       ACS     BEFORE HRLY SCALARS APPLIED  =       7.140000       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       7.189980       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     874.777889       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY        AG     BEFORE HRLY SCALARS APPLIED  =       0.260928       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       0.260928       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     875.038817       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       CST     BEFORE HRLY SCALARS APPLIED  =       7.869200       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       7.869200       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     882.908017       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       IND     BEFORE HRLY SCALARS APPLIED  =      22.800000       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =      22.800000       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =     905.708017       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY       LTC     BEFORE HRLY SCALARS APPLIED  =     125.993000       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =     125.993002       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =    1031.701017       TONS/DAY
 ---------------------------------------------

 CO: TOTAL EMISSIONS FOR CATEGORY        FP     BEFORE HRLY SCALARS APPLIED  =      14.681125       TONS/DAY
 INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =      14.681125       TONS/DAY
                                         ...RUNNING SUBTOTAL BEFORE SCALARS  =    1046.382142       TONS/DAY
 ---------------------------------------------
```

```
        CO: TOTAL EMISSIONS FOR CATEGORY       STV     BEFORE HRLY SCALARS APPLIED  =      18.066721       TONS/DAY
        INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =      18.066721       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS  =    1064.448863       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       SFR     BEFORE HRLY SCALARS APPLIED  =       5.000257       TONS/DAY
        INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       5.000657       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS  =    1069.449120       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY        NG     BEFORE HRLY SCALARS APPLIED  =       9.107856       TONS/DAY
        INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       9.107856       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS  =    1078.556976       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       MIN     BEFORE HRLY SCALARS APPLIED  =      21.075900       TONS/DAY
        INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =      21.077585       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS  =    1099.632876       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       MJA     BEFORE HRLY SCALARS APPLIED  =       0.000000       TONS/DAY
        INVENTORY CODE: H                              AFTER HRLY SCALARS APPLIED   =       0.000000       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS  =    1099.632876       TONS/DAY
        ---------------------------------------------
        QA check of        CO EMISSIONS total in UAM binary file (NOTES: 1. hourly scalars applied; 2. MJE excluded)
        INVENTORY CODE: H
                                                                                    =    1099.758664       TONS/DAY
                                                                                    =     35631581.4 GRAM-MOLES/DAY
**********************************************************************************************************************
        CO: TOTAL EMISSIONS FROM ALL CATEGORIES INCLUDING ELEVATED POINTS
        INVENTORY CODE: H
                                                       BEFORE HRLY SCALARS APPLIED  =    1125.197776       TONS/DAY
                                                       AFTER HRLY SCALARS APPLIED   =    1125.323564       TONS/DAY
**********************************************************************************************************************
```

File: ar_omax.qa0

Maximum emission rate and corresponding UAM grid cell for each source category

```
CATEGORY=        AMP: MAXIMUM VALUE=   0.991000 TPD @GRID CELL (X,Y): ( 23, 45)
CATEGORY=        PMP: MAXIMUM VALUE=   1.970000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        OFP: MAXIMUM VALUE=   2.650000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         RR: MAXIMUM VALUE=   0.029800 TPD @GRID CELL (X,Y): ( 22, 47)
CATEGORY=        HLI: MAXIMUM VALUE=   0.008990 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         AC: MAXIMUM VALUE=   2.820000 TPD @GRID CELL (X,Y): ( 39, 50)
CATEGORY=        ACS: MAXIMUM VALUE=   1.020000 TPD @GRID CELL (X,Y): ( 28, 44)
CATEGORY=         AG: MAXIMUM VALUE=   0.000151 TPD @GRID CELL (X,Y): (  7, 69)
CATEGORY=        CST: MAXIMUM VALUE=   0.020600 TPD @GRID CELL (X,Y): (  3, 26)
CATEGORY=        IND: MAXIMUM VALUE=   0.400000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=        LTC: MAXIMUM VALUE=   0.574000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=         FP: MAXIMUM VALUE=   0.083000 TPD @GRID CELL (X,Y): ( 24, 42)
CATEGORY=        STV: MAXIMUM VALUE=   0.151000 TPD @GRID CELL (X,Y): ( 17, 35)
CATEGORY=        SFR: MAXIMUM VALUE=   0.031800 TPD @GRID CELL (X,Y): ( 23, 42)
CATEGORY=         NG: MAXIMUM VALUE=   0.205000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        MIN: MAXIMUM VALUE=   2.560000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJA: MAXIMUM VALUE=   0.000000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJE: MAXIMUM VALUE=   5.950000 TPD @GRID CELL (X,Y): ( 24, 47)
CATEGORY=        TOT: MAXIMUM VALUE=   7.360000 TPD @GRID CELL (X,Y): ( 24, 47)
CATEGORY=        SUM: MAXIMUM VALUE=   7.355687 TPD @GRID CELL (X,Y): ( 24, 47)
```

Air Quality Modeling Results for the Denver Carbon Monoxide Maintenance Plan

UAM and CAL3QHC Estimates at Monitoring Sites and Roadway Intersections

The attached report is one of several files generated by a the Colorado Department of Public Health and Environment's postprocessing batch program "DPLOT.BTM." This particular report, which presents 1-hour and 8-hour average UAM and CAL3QHC estimates for each monitoring site and roadway intersection, was generated by the FORTRAN program "P_STATS." Strings of text at the beginning of the report uniquely identify the modeling scenario. These IDs (see example on page 2) are auto-built by DPLOT.BTM. Automated title generation for each modeling run streamlines postprocessing while enhancing QA procedures.

P_STATS reads SAI's DPLOT format data files which contain hourly concentration estimates from the Urban Airshed Model and observed concentrations from various monitoring sites. In addition, P_STATS reads another set of DPLOT format files containing hourly concentration estimates from the CAL3QHC model. While there are UAM estimates for every monitoring site and roadway intersection, CAL3QHC estimates are available only at intersections where refined modeling was performed. Please note that all "observed" values are from the historic episode on which the modeling is based. The "DATE" column indicates the year of the MODELED estimates; all observed estimates are for the base year (e.g., 1988 for the "high" and "2nd-high" episodes).

A "-9.00" entry indicates that values were not generated. "NA" is used for all 8-hour CAL3QHC entries because 8-hour average values are not computed; instead, hourly CAL3QHC and UAM estimates are summed before 8-hour average UAM/CAL3QHC values are computed. A key to site abbreviations follows:

Monitoring Sites	**Description**
CMP	CAMP
WBY	Welby
CRG	Carriage
TIV	Tivoli
FED	Roof of Federal Bldg (downtown) - inlet 72 meters above ground
NJH	NJH-E
PLM	Palmer School (inlet on top of 2 story bldg)
ARV	Arvada
ENG	Englewood
BOU	Boulder (Marine St)
GRDS	Boulder Grandys Special Study Site
HLD	Highland
AUR	Aurora
AURS	Aurora Special Study Site
BTN	Brighton
Intersections	
ICMP	Broadway & Champa (CAMP intersection)
U_1	University & 1st
F_A	Foothills & Arapahoe (Boulder)
H_U	Hampden & University
U_A	University & Arapahoe
P_I	Parker & Iliff

Denver Carbon Monoxide CO SIP Modeling

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;
MET A7, 08-27-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-27-99 UAM

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	2.70
CMP	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	3.00
CMP	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
CMP	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	2.10
CMP	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	2.80
CMP	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	6.40
CMP	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	7.60
CMP	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	6.80
CMP	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
CMP	1	Episode Day 1, 2006	22	CO (PPM)	1.28	-9.00	1.28	1.00
CMP	1	Episode Day 1, 2006	23	CO (PPM)	1.77	-9.00	1.77	1.60
CMP	1	Episode Day 2, 2006	0	CO (PPM)	2.13	-9.00	2.13	1.50
CMP	1	Episode Day 2, 2006	1	CO (PPM)	1.74	-9.00	1.74	0.80
CMP	1	Episode Day 2, 2006	2	CO (PPM)	0.88	-9.00	0.88	0.00
CMP	1	Episode Day 2, 2006	3	CO (PPM)	0.76	-9.00	0.76	0.00
CMP	1	Episode Day 2, 2006	4	CO (PPM)	0.78	-9.00	0.78	0.00
CMP	1	Episode Day 2, 2006	5	CO (PPM)	0.72	-9.00	0.72	0.30
CMP	1	Episode Day 2, 2006	6	CO (PPM)	0.92	-9.00	0.92	0.80
CMP	1	Episode Day 2, 2006	7	CO (PPM)	2.81	-9.00	2.81	4.10
CMP	1	Episode Day 2, 2006	8	CO (PPM)	1.62	-9.00	1.62	5.40
CMP	1	Episode Day 2, 2006	9	CO (PPM)	1.15	-9.00	1.15	2.90
CMP	1	Episode Day 2, 2006	10	CO (PPM)	0.97	-9.00	0.97	2.90
CMP	1	Episode Day 2, 2006	11	CO (PPM)	1.22	-9.00	1.22	4.50
CMP	1	Episode Day 2, 2006	12	CO (PPM)	1.30	-9.00	1.30	4.00
CMP	1	Episode Day 2, 2006	13	CO (PPM)	1.40	-9.00	1.40	4.30
CMP	1	Episode Day 2, 2006	14	CO (PPM)	1.81	-9.00	1.81	4.50
CMP	1	Episode Day 2, 2006	15	CO (PPM)	2.88	-9.00	2.88	7.00
CMP	1	Episode Day 2, 2006	16	CO (PPM)	8.23	-9.00	8.23	45.00
CMP	1	Episode Day 2, 2006	17	CO (PPM)	12.99	-9.00	12.99	50.50
CMP	1	Episode Day 2, 2006	18	CO (PPM)	14.02	-9.00	14.02	30.00
CMP	1	Episode Day 2, 2006	19	CO (PPM)	11.02	-9.00	11.02	3.90
CMP	1	Episode Day 2, 2006	20	CO (PPM)	4.59	-9.00	4.59	2.10
CMP	1	Episode Day 2, 2006	21	CO (PPM)	3.44	-9.00	3.44	2.30
CMP	1	Episode Day 2, 2006	22	CO (PPM)	3.53	-9.00	3.53	3.80
CMP	1	Episode Day 2, 2006	23	CO (PPM)	3.29	-9.00	3.29	4.00
CMP	1	Episode Day 3, 2006	0	CO (PPM)	2.30	-9.00	2.30	4.50
CMP	1	Episode Day 3, 2006	1	CO (PPM)	1.61	-9.00	1.61	2.60
CMP	1	Episode Day 3, 2006	2	CO (PPM)	1.04	-9.00	1.04	1.10
CMP	1	Episode Day 3, 2006	3	CO (PPM)	0.58	-9.00	0.58	0.80
CMP	1	Episode Day 3, 2006	4	CO (PPM)	0.61	-9.00	0.61	1.10
CMP	1	Episode Day 3, 2006	5	CO (PPM)	1.15	-9.00	1.15	2.40
CMP	1	Episode Day 3, 2006	6	CO (PPM)	2.07	-9.00	2.07	5.10
CMP	1	Episode Day 3, 2006	7	CO (PPM)	4.49	-9.00	4.49	9.30
CMP	1	Episode Day 3, 2006	8	CO (PPM)	2.47	-9.00	2.47	10.70
CMP	1	Episode Day 3, 2006	9	CO (PPM)	2.39	-9.00	2.39	7.20
CMP	1	Episode Day 3, 2006	10	CO (PPM)	2.21	-9.00	2.21	5.10
CMP	1	Episode Day 3, 2006	11	CO (PPM)	1.49	-9.00	1.49	3.60
CMP	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
CMP	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	2.40
CMP	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	10.10
CMP	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	12.90
CMP	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
CMP	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	4.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	2.90
CMP	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	4.50
WBY	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	4.00
WBY	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
WBY	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
WBY	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	1.70
WBY	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	1.20
WBY	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.50
WBY	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	4.30
WBY	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	4.60
WBY	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	2.10
WBY	1	Episode Day 1, 2006	22	CO (PPM)	1.13	-9.00	1.13	1.50
WBY	1	Episode Day 1, 2006	23	CO (PPM)	1.35	-9.00	1.35	1.90
WBY	1	Episode Day 2, 2006	0	CO (PPM)	1.50	-9.00	1.50	4.30
WBY	1	Episode Day 2, 2006	1	CO (PPM)	1.41	-9.00	1.41	3.40
WBY	1	Episode Day 2, 2006	2	CO (PPM)	1.32	-9.00	1.32	2.20
WBY	1	Episode Day 2, 2006	3	CO (PPM)	1.13	-9.00	1.13	1.60
WBY	1	Episode Day 2, 2006	4	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2006	5	CO (PPM)	0.83	-9.00	0.83	1.40
WBY	1	Episode Day 2, 2006	6	CO (PPM)	0.95	-9.00	0.95	1.70
WBY	1	Episode Day 2, 2006	7	CO (PPM)	1.48	-9.00	1.48	5.70
WBY	1	Episode Day 2, 2006	8	CO (PPM)	0.99	-9.00	0.99	6.90
WBY	1	Episode Day 2, 2006	9	CO (PPM)	0.94	-9.00	0.94	4.90
WBY	1	Episode Day 2, 2006	10	CO (PPM)	1.08	-9.00	1.08	2.50
WBY	1	Episode Day 2, 2006	11	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2006	12	CO (PPM)	0.75	-9.00	0.75	0.90
WBY	1	Episode Day 2, 2006	13	CO (PPM)	0.61	-9.00	0.61	0.90
WBY	1	Episode Day 2, 2006	14	CO (PPM)	0.60	-9.00	0.60	1.00
WBY	1	Episode Day 2, 2006	15	CO (PPM)	0.81	-9.00	0.81	1.20
WBY	1	Episode Day 2, 2006	16	CO (PPM)	1.52	-9.00	1.52	2.60
WBY	1	Episode Day 2, 2006	17	CO (PPM)	2.59	-9.00	2.59	9.50
WBY	1	Episode Day 2, 2006	18	CO (PPM)	3.64	-9.00	3.64	13.40
WBY	1	Episode Day 2, 2006	19	CO (PPM)	2.77	-9.00	2.77	9.40
WBY	1	Episode Day 2, 2006	20	CO (PPM)	3.69	-9.00	3.69	7.70
WBY	1	Episode Day 2, 2006	21	CO (PPM)	5.02	-9.00	5.02	6.30
WBY	1	Episode Day 2, 2006	22	CO (PPM)	5.08	-9.00	5.08	7.30
WBY	1	Episode Day 2, 2006	23	CO (PPM)	5.14	-9.00	5.14	8.50
WBY	1	Episode Day 3, 2006	0	CO (PPM)	4.45	-9.00	4.45	9.40
WBY	1	Episode Day 3, 2006	1	CO (PPM)	2.63	-9.00	2.63	7.30
WBY	1	Episode Day 3, 2006	2	CO (PPM)	1.34	-9.00	1.34	3.00
WBY	1	Episode Day 3, 2006	3	CO (PPM)	0.81	-9.00	0.81	1.70
WBY	1	Episode Day 3, 2006	4	CO (PPM)	0.64	-9.00	0.64	1.60
WBY	1	Episode Day 3, 2006	5	CO (PPM)	0.70	-9.00	0.70	1.70
WBY	1	Episode Day 3, 2006	6	CO (PPM)	0.78	-9.00	0.78	2.80
WBY	1	Episode Day 3, 2006	7	CO (PPM)	1.05	-9.00	1.05	2.80
WBY	1	Episode Day 3, 2006	8	CO (PPM)	1.03	-9.00	1.03	-9.00
WBY	1	Episode Day 3, 2006	9	CO (PPM)	1.16	-9.00	1.16	3.60
WBY	1	Episode Day 3, 2006	10	CO (PPM)	1.18	-9.00	1.18	2.70
WBY	1	Episode Day 3, 2006	11	CO (PPM)	0.93	-9.00	0.93	0.60
WBY	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
WBY	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	6.10
WBY	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	6.00
WBY	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	4.40
CRG	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	4.80

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
CRG	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	3.90
CRG	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
CRG	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.70
CRG	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	2.70
CRG	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
CRG	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
CRG	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
CRG	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
CRG	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.50
CRG	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CRG	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
CRG	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
CRG	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	8.00
CRG	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	10.80
CRG	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	3.40
CRG	1	Episode Day 1, 2006	22	CO (PPM)	1.68	-9.00	1.68	3.50
CRG	1	Episode Day 1, 2006	23	CO (PPM)	1.94	-9.00	1.94	3.30
CRG	1	Episode Day 2, 2006	0	CO (PPM)	2.29	-9.00	2.29	3.70
CRG	1	Episode Day 2, 2006	1	CO (PPM)	2.29	-9.00	2.29	4.90
CRG	1	Episode Day 2, 2006	2	CO (PPM)	1.44	-9.00	1.44	3.50
CRG	1	Episode Day 2, 2006	3	CO (PPM)	0.75	-9.00	0.75	2.50
CRG	1	Episode Day 2, 2006	4	CO (PPM)	0.58	-9.00	0.58	2.60
CRG	1	Episode Day 2, 2006	5	CO (PPM)	0.62	-9.00	0.62	2.70
CRG	1	Episode Day 2, 2006	6	CO (PPM)	0.80	-9.00	0.80	5.80
CRG	1	Episode Day 2, 2006	7	CO (PPM)	1.83	-9.00	1.83	10.10
CRG	1	Episode Day 2, 2006	8	CO (PPM)	1.10	-9.00	1.10	10.50
CRG	1	Episode Day 2, 2006	9	CO (PPM)	0.93	-9.00	0.93	4.00
CRG	1	Episode Day 2, 2006	10	CO (PPM)	0.80	-9.00	0.80	1.90
CRG	1	Episode Day 2, 2006	11	CO (PPM)	0.81	-9.00	0.81	1.20
CRG	1	Episode Day 2, 2006	12	CO (PPM)	1.05	-9.00	1.05	1.50
CRG	1	Episode Day 2, 2006	13	CO (PPM)	1.17	-9.00	1.17	1.30
CRG	1	Episode Day 2, 2006	14	CO (PPM)	1.35	-9.00	1.35	1.60
CRG	1	Episode Day 2, 2006	15	CO (PPM)	1.79	-9.00	1.79	0.80
CRG	1	Episode Day 2, 2006	16	CO (PPM)	4.01	-9.00	4.01	6.40
CRG	1	Episode Day 2, 2006	17	CO (PPM)	5.17	-9.00	5.17	9.50
CRG	1	Episode Day 2, 2006	18	CO (PPM)	5.47	-9.00	5.47	13.70
CRG	1	Episode Day 2, 2006	19	CO (PPM)	5.22	-9.00	5.22	16.30
CRG	1	Episode Day 2, 2006	20	CO (PPM)	4.39	-9.00	4.39	12.80
CRG	1	Episode Day 2, 2006	21	CO (PPM)	3.42	-9.00	3.42	7.10
CRG	1	Episode Day 2, 2006	22	CO (PPM)	2.69	-9.00	2.69	4.90
CRG	1	Episode Day 2, 2006	23	CO (PPM)	2.05	-9.00	2.05	8.60
CRG	1	Episode Day 3, 2006	0	CO (PPM)	1.67	-9.00	1.67	10.10
CRG	1	Episode Day 3, 2006	1	CO (PPM)	1.48	-9.00	1.48	4.30
CRG	1	Episode Day 3, 2006	2	CO (PPM)	1.14	-9.00	1.14	5.40
CRG	1	Episode Day 3, 2006	3	CO (PPM)	0.72	-9.00	0.72	3.90
CRG	1	Episode Day 3, 2006	4	CO (PPM)	0.55	-9.00	0.55	1.90
CRG	1	Episode Day 3, 2006	5	CO (PPM)	0.71	-9.00	0.71	3.00
CRG	1	Episode Day 3, 2006	6	CO (PPM)	1.35	-9.00	1.35	3.10
CRG	1	Episode Day 3, 2006	7	CO (PPM)	2.82	-9.00	2.82	6.10
CRG	1	Episode Day 3, 2006	8	CO (PPM)	1.39	-9.00	1.39	5.10
CRG	1	Episode Day 3, 2006	9	CO (PPM)	1.28	-9.00	1.28	4.10
CRG	1	Episode Day 3, 2006	10	CO (PPM)	0.98	-9.00	0.98	1.50
CRG	1	Episode Day 3, 2006	11	CO (PPM)	0.85	-9.00	0.85	-9.00
CRG	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
CRG	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
CRG	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
CRG	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
CRG	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	7.00
CRG	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	9.50
CRG	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	12.40
CRG	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	10.10
CRG	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	7.90
CRG	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	7.40
CRG	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	7.70
NJH	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	2.30
NJH	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	1.50
NJH	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	1.40
NJH	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	1.30

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	2.00
NJH	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	2.00
NJH	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	2.10
NJH	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.60
NJH	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
NJH	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.90
NJH	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	8.80
NJH	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	2.60
NJH	1	Episode Day 1, 2006	22	CO (PPM)	1.18	-9.00	1.18	2.40
NJH	1	Episode Day 1, 2006	23	CO (PPM)	1.33	-9.00	1.33	2.00
NJH	1	Episode Day 2, 2006	0	CO (PPM)	1.18	-9.00	1.18	2.30
NJH	1	Episode Day 2, 2006	1	CO (PPM)	0.71	-9.00	0.71	1.30
NJH	1	Episode Day 2, 2006	2	CO (PPM)	0.48	-9.00	0.48	1.20
NJH	1	Episode Day 2, 2006	3	CO (PPM)	0.47	-9.00	0.47	1.10
NJH	1	Episode Day 2, 2006	4	CO (PPM)	0.50	-9.00	0.50	0.90
NJH	1	Episode Day 2, 2006	5	CO (PPM)	0.51	-9.00	0.51	1.60
NJH	1	Episode Day 2, 2006	6	CO (PPM)	0.75	-9.00	0.75	3.30
NJH	1	Episode Day 2, 2006	7	CO (PPM)	2.02	-9.00	2.02	6.40
NJH	1	Episode Day 2, 2006	8	CO (PPM)	1.39	-9.00	1.39	6.10
NJH	1	Episode Day 2, 2006	9	CO (PPM)	1.01	-9.00	1.01	3.20
NJH	1	Episode Day 2, 2006	10	CO (PPM)	0.63	-9.00	0.63	2.80
NJH	1	Episode Day 2, 2006	11	CO (PPM)	0.65	-9.00	0.65	2.00
NJH	1	Episode Day 2, 2006	12	CO (PPM)	0.71	-9.00	0.71	2.00
NJH	1	Episode Day 2, 2006	13	CO (PPM)	0.76	-9.00	0.76	2.70
NJH	1	Episode Day 2, 2006	14	CO (PPM)	1.13	-9.00	1.13	3.20
NJH	1	Episode Day 2, 2006	15	CO (PPM)	1.72	-9.00	1.72	4.60
NJH	1	Episode Day 2, 2006	16	CO (PPM)	3.59	-9.00	3.59	19.70
NJH	1	Episode Day 2, 2006	17	CO (PPM)	4.71	-9.00	4.71	22.90
NJH	1	Episode Day 2, 2006	18	CO (PPM)	5.47	-9.00	5.47	19.70
NJH	1	Episode Day 2, 2006	19	CO (PPM)	6.66	-9.00	6.66	8.60
NJH	1	Episode Day 2, 2006	20	CO (PPM)	2.82	-9.00	2.82	6.20
NJH	1	Episode Day 2, 2006	21	CO (PPM)	1.41	-9.00	1.41	4.40
NJH	1	Episode Day 2, 2006	22	CO (PPM)	1.43	-9.00	1.43	4.10
NJH	1	Episode Day 2, 2006	23	CO (PPM)	1.17	-9.00	1.17	3.20
NJH	1	Episode Day 3, 2006	0	CO (PPM)	0.81	-9.00	0.81	2.30
NJH	1	Episode Day 3, 2006	1	CO (PPM)	0.64	-9.00	0.64	1.20
NJH	1	Episode Day 3, 2006	2	CO (PPM)	0.48	-9.00	0.48	1.30
NJH	1	Episode Day 3, 2006	3	CO (PPM)	0.34	-9.00	0.34	0.80
NJH	1	Episode Day 3, 2006	4	CO (PPM)	0.36	-9.00	0.36	0.70
NJH	1	Episode Day 3, 2006	5	CO (PPM)	0.49	-9.00	0.49	1.60
NJH	1	Episode Day 3, 2006	6	CO (PPM)	0.80	-9.00	0.80	2.90
NJH	1	Episode Day 3, 2006	7	CO (PPM)	2.16	-9.00	2.16	7.00
NJH	1	Episode Day 3, 2006	8	CO (PPM)	1.37	-9.00	1.37	5.70
NJH	1	Episode Day 3, 2006	9	CO (PPM)	1.08	-9.00	1.08	4.90
NJH	1	Episode Day 3, 2006	10	CO (PPM)	0.90	-9.00	0.90	3.60
NJH	1	Episode Day 3, 2006	11	CO (PPM)	0.86	-9.00	0.86	1.30
NJH	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
NJH	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
NJH	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
NJH	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	4.40
NJH	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	6.60
NJH	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	5.10
NJH	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	6.90
NJH	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	5.50
NJH	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	3.60
NJH	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	2.40
TIV	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2006	22	CO (PPM)	1.39	-9.00	1.39	-9.00
TIV	1	Episode Day 1, 2006	23	CO (PPM)	1.69	-9.00	1.69	-9.00
TIV	1	Episode Day 2, 2006	0	CO (PPM)	2.05	-9.00	2.05	-9.00
TIV	1	Episode Day 2, 2006	1	CO (PPM)	1.75	-9.00	1.75	-9.00
TIV	1	Episode Day 2, 2006	2	CO (PPM)	0.88	-9.00	0.88	-9.00
TIV	1	Episode Day 2, 2006	3	CO (PPM)	0.63	-9.00	0.63	-9.00
TIV	1	Episode Day 2, 2006	4	CO (PPM)	0.62	-9.00	0.62	-9.00
TIV	1	Episode Day 2, 2006	5	CO (PPM)	0.67	-9.00	0.67	-9.00
TIV	1	Episode Day 2, 2006	6	CO (PPM)	0.87	-9.00	0.87	-9.00
TIV	1	Episode Day 2, 2006	7	CO (PPM)	2.52	-9.00	2.52	-9.00
TIV	1	Episode Day 2, 2006	8	CO (PPM)	1.42	-9.00	1.42	-9.00
TIV	1	Episode Day 2, 2006	9	CO (PPM)	1.03	-9.00	1.03	-9.00
TIV	1	Episode Day 2, 2006	10	CO (PPM)	0.87	-9.00	0.87	-9.00
TIV	1	Episode Day 2, 2006	11	CO (PPM)	1.10	-9.00	1.10	-9.00
TIV	1	Episode Day 2, 2006	12	CO (PPM)	1.44	-9.00	1.44	-9.00
TIV	1	Episode Day 2, 2006	13	CO (PPM)	1.55	-9.00	1.55	-9.00
TIV	1	Episode Day 2, 2006	14	CO (PPM)	1.76	-9.00	1.76	-9.00
TIV	1	Episode Day 2, 2006	15	CO (PPM)	2.69	-9.00	2.69	-9.00
TIV	1	Episode Day 2, 2006	16	CO (PPM)	8.25	-9.00	8.25	-9.00
TIV	1	Episode Day 2, 2006	17	CO (PPM)	13.36	-9.00	13.36	-9.00
TIV	1	Episode Day 2, 2006	18	CO (PPM)	13.75	-9.00	13.75	-9.00
TIV	1	Episode Day 2, 2006	19	CO (PPM)	8.31	-9.00	8.31	-9.00
TIV	1	Episode Day 2, 2006	20	CO (PPM)	3.90	-9.00	3.90	-9.00
TIV	1	Episode Day 2, 2006	21	CO (PPM)	3.06	-9.00	3.06	-9.00
TIV	1	Episode Day 2, 2006	22	CO (PPM)	2.81	-9.00	2.81	-9.00
TIV	1	Episode Day 2, 2006	23	CO (PPM)	2.63	-9.00	2.63	-9.00
TIV	1	Episode Day 3, 2006	0	CO (PPM)	1.99	-9.00	1.99	-9.00
TIV	1	Episode Day 3, 2006	1	CO (PPM)	1.49	-9.00	1.49	-9.00
TIV	1	Episode Day 3, 2006	2	CO (PPM)	1.04	-9.00	1.04	-9.00
TIV	1	Episode Day 3, 2006	3	CO (PPM)	0.58	-9.00	0.58	-9.00
TIV	1	Episode Day 3, 2006	4	CO (PPM)	0.57	-9.00	0.57	-9.00
TIV	1	Episode Day 3, 2006	5	CO (PPM)	1.13	-9.00	1.13	-9.00
TIV	1	Episode Day 3, 2006	6	CO (PPM)	2.16	-9.00	2.16	-9.00
TIV	1	Episode Day 3, 2006	7	CO (PPM)	4.69	-9.00	4.69	-9.00
TIV	1	Episode Day 3, 2006	8	CO (PPM)	2.54	-9.00	2.54	-9.00
TIV	1	Episode Day 3, 2006	9	CO (PPM)	2.23	-9.00	2.23	-9.00
TIV	1	Episode Day 3, 2006	10	CO (PPM)	1.55	-9.00	1.55	-9.00
TIV	1	Episode Day 3, 2006	11	CO (PPM)	1.13	-9.00	1.13	-9.00
TIV	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2006	22	CO (PPM)	1.28	-9.00	1.28	-9.00
ICMP	1	Episode Day 1, 2006	23	CO (PPM)	1.77	-9.00	1.77	-9.00
ICMP	1	Episode Day 2, 2006	0	CO (PPM)	2.13	-9.00	2.13	-9.00
ICMP	1	Episode Day 2, 2006	1	CO (PPM)	1.74	-9.00	1.74	-9.00
ICMP	1	Episode Day 2, 2006	2	CO (PPM)	0.88	-9.00	0.88	-9.00
ICMP	1	Episode Day 2, 2006	3	CO (PPM)	0.76	-9.00	0.76	-9.00
ICMP	1	Episode Day 2, 2006	4	CO (PPM)	0.78	-9.00	0.78	-9.00
ICMP	1	Episode Day 2, 2006	5	CO (PPM)	0.72	-9.00	0.72	-9.00
ICMP	1	Episode Day 2, 2006	6	CO (PPM)	0.92	-9.00	0.92	-9.00
ICMP	1	Episode Day 2, 2006	7	CO (PPM)	2.81	-9.00	2.81	-9.00
ICMP	1	Episode Day 2, 2006	8	CO (PPM)	1.62	-9.00	1.62	-9.00
ICMP	1	Episode Day 2, 2006	9	CO (PPM)	1.15	-9.00	1.15	-9.00
ICMP	1	Episode Day 2, 2006	10	CO (PPM)	0.97	-9.00	0.97	-9.00
ICMP	1	Episode Day 2, 2006	11	CO (PPM)	1.22	-9.00	1.22	-9.00
ICMP	1	Episode Day 2, 2006	12	CO (PPM)	1.30	-9.00	1.30	-9.00
ICMP	1	Episode Day 2, 2006	13	CO (PPM)	1.40	-9.00	1.40	-9.00
ICMP	1	Episode Day 2, 2006	14	CO (PPM)	1.81	1.61	3.42	-9.00
ICMP	1	Episode Day 2, 2006	15	CO (PPM)	2.88	1.38	4.26	-9.00
ICMP	1	Episode Day 2, 2006	16	CO (PPM)	8.23	2.76	10.99	-9.00
ICMP	1	Episode Day 2, 2006	17	CO (PPM)	12.99	2.65	15.64	-9.00
ICMP	1	Episode Day 2, 2006	18	CO (PPM)	14.02	1.04	15.06	-9.00
ICMP	1	Episode Day 2, 2006	19	CO (PPM)	11.02	0.35	11.37	-9.00
ICMP	1	Episode Day 2, 2006	20	CO (PPM)	4.59	0.35	4.94	-9.00
ICMP	1	Episode Day 2, 2006	21	CO (PPM)	3.44	0.00	3.44	-9.00
ICMP	1	Episode Day 2, 2006	22	CO (PPM)	3.53	0.46	3.99	-9.00
ICMP	1	Episode Day 2, 2006	23	CO (PPM)	3.29	0.12	3.41	-9.00
ICMP	1	Episode Day 3, 2006	0	CO (PPM)	2.30	-9.00	2.30	-9.00
ICMP	1	Episode Day 3, 2006	1	CO (PPM)	1.61	-9.00	1.61	-9.00
ICMP	1	Episode Day 3, 2006	2	CO (PPM)	1.04	-9.00	1.04	-9.00
ICMP	1	Episode Day 3, 2006	3	CO (PPM)	0.58	-9.00	0.58	-9.00
ICMP	1	Episode Day 3, 2006	4	CO (PPM)	0.61	-9.00	0.61	-9.00
ICMP	1	Episode Day 3, 2006	5	CO (PPM)	1.15	-9.00	1.15	-9.00
ICMP	1	Episode Day 3, 2006	6	CO (PPM)	2.07	-9.00	2.07	-9.00
ICMP	1	Episode Day 3, 2006	7	CO (PPM)	4.49	-9.00	4.49	-9.00
ICMP	1	Episode Day 3, 2006	8	CO (PPM)	2.47	-9.00	2.47	-9.00
ICMP	1	Episode Day 3, 2006	9	CO (PPM)	2.39	-9.00	2.39	-9.00
ICMP	1	Episode Day 3, 2006	10	CO (PPM)	2.21	-9.00	2.21	-9.00
ICMP	1	Episode Day 3, 2006	11	CO (PPM)	1.49	-9.00	1.49	-9.00
ICMP	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ENG	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.90
ENG	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	1.80
ENG	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	0.50
ENG	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.60

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ENG	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	1.50
ENG	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	4.40
ENG	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	2.40
ENG	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2006	22	CO (PPM)	0.75	-9.00	0.75	1.70
ENG	1	Episode Day 1, 2006	23	CO (PPM)	0.47	-9.00	0.47	1.20
ENG	1	Episode Day 2, 2006	0	CO (PPM)	0.34	-9.00	0.34	0.70
ENG	1	Episode Day 2, 2006	1	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2006	2	CO (PPM)	0.29	-9.00	0.29	0.50
ENG	1	Episode Day 2, 2006	3	CO (PPM)	0.28	-9.00	0.28	0.50
ENG	1	Episode Day 2, 2006	4	CO (PPM)	0.30	-9.00	0.30	0.50
ENG	1	Episode Day 2, 2006	5	CO (PPM)	0.33	-9.00	0.33	1.20
ENG	1	Episode Day 2, 2006	6	CO (PPM)	0.45	-9.00	0.45	2.40
ENG	1	Episode Day 2, 2006	7	CO (PPM)	1.03	-9.00	1.03	4.70
ENG	1	Episode Day 2, 2006	8	CO (PPM)	0.61	-9.00	0.61	4.10
ENG	1	Episode Day 2, 2006	9	CO (PPM)	0.38	-9.00	0.38	1.20
ENG	1	Episode Day 2, 2006	10	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2006	11	CO (PPM)	0.37	-9.00	0.37	0.70
ENG	1	Episode Day 2, 2006	12	CO (PPM)	0.51	-9.00	0.51	0.80
ENG	1	Episode Day 2, 2006	13	CO (PPM)	0.66	-9.00	0.66	1.10
ENG	1	Episode Day 2, 2006	14	CO (PPM)	0.82	-9.00	0.82	1.50
ENG	1	Episode Day 2, 2006	15	CO (PPM)	1.54	-9.00	1.54	2.90
ENG	1	Episode Day 2, 2006	16	CO (PPM)	3.90	-9.00	3.90	6.20
ENG	1	Episode Day 2, 2006	17	CO (PPM)	3.83	-9.00	3.83	9.40
ENG	1	Episode Day 2, 2006	18	CO (PPM)	1.40	-9.00	1.40	3.20
ENG	1	Episode Day 2, 2006	19	CO (PPM)	0.70	-9.00	0.70	1.90
ENG	1	Episode Day 2, 2006	20	CO (PPM)	0.45	-9.00	0.45	1.60
ENG	1	Episode Day 2, 2006	21	CO (PPM)	0.45	-9.00	0.45	1.80
ENG	1	Episode Day 2, 2006	22	CO (PPM)	0.45	-9.00	0.45	2.30
ENG	1	Episode Day 2, 2006	23	CO (PPM)	0.43	-9.00	0.43	1.60
ENG	1	Episode Day 3, 2006	0	CO (PPM)	0.39	-9.00	0.39	1.50
ENG	1	Episode Day 3, 2006	1	CO (PPM)	0.35	-9.00	0.35	1.00
ENG	1	Episode Day 3, 2006	2	CO (PPM)	0.28	-9.00	0.28	0.60
ENG	1	Episode Day 3, 2006	3	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2006	4	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2006	5	CO (PPM)	0.28	-9.00	0.28	0.70
ENG	1	Episode Day 3, 2006	6	CO (PPM)	0.43	-9.00	0.43	1.80
ENG	1	Episode Day 3, 2006	7	CO (PPM)	1.28	-9.00	1.28	3.50
ENG	1	Episode Day 3, 2006	8	CO (PPM)	0.59	-9.00	0.59	-9.00
ENG	1	Episode Day 3, 2006	9	CO (PPM)	0.62	-9.00	0.62	2.80
ENG	1	Episode Day 3, 2006	10	CO (PPM)	0.63	-9.00	0.63	2.00
ENG	1	Episode Day 3, 2006	11	CO (PPM)	0.68	-9.00	0.68	0.60
ENG	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ENG	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	4.30
ENG	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
ENG	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	2.10
ENG	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	1.40
ENG	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	1.10
ENG	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	1.50
BOU	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	0.40
BOU	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
BOU	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	1.40
BOU	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
BOU	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	2.70
BOU	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
BOU	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
BOU	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	1.50

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
BOU	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
BOU	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	0.40
BOU	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	0.10
BOU	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2006	22	CO (PPM)	0.99	-9.00	0.99	0.20
BOU	1	Episode Day 1, 2006	23	CO (PPM)	0.42	-9.00	0.42	0.50
BOU	1	Episode Day 2, 2006	0	CO (PPM)	0.25	-9.00	0.25	0.20
BOU	1	Episode Day 2, 2006	1	CO (PPM)	0.23	-9.00	0.23	0.20
BOU	1	Episode Day 2, 2006	2	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2006	3	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2006	4	CO (PPM)	0.24	-9.00	0.24	0.30
BOU	1	Episode Day 2, 2006	5	CO (PPM)	0.30	-9.00	0.30	0.60
BOU	1	Episode Day 2, 2006	6	CO (PPM)	0.52	-9.00	0.52	1.20
BOU	1	Episode Day 2, 2006	7	CO (PPM)	0.87	-9.00	0.87	2.60
BOU	1	Episode Day 2, 2006	8	CO (PPM)	0.42	-9.00	0.42	2.20
BOU	1	Episode Day 2, 2006	9	CO (PPM)	0.50	-9.00	0.50	4.20
BOU	1	Episode Day 2, 2006	10	CO (PPM)	0.65	-9.00	0.65	2.90
BOU	1	Episode Day 2, 2006	11	CO (PPM)	0.65	-9.00	0.65	1.30
BOU	1	Episode Day 2, 2006	12	CO (PPM)	0.62	-9.00	0.62	1.40
BOU	1	Episode Day 2, 2006	13	CO (PPM)	0.57	-9.00	0.57	1.20
BOU	1	Episode Day 2, 2006	14	CO (PPM)	0.78	-9.00	0.78	1.20
BOU	1	Episode Day 2, 2006	15	CO (PPM)	1.46	-9.00	1.46	1.90
BOU	1	Episode Day 2, 2006	16	CO (PPM)	1.17	-9.00	1.17	2.00
BOU	1	Episode Day 2, 2006	17	CO (PPM)	0.65	-9.00	0.65	1.30
BOU	1	Episode Day 2, 2006	18	CO (PPM)	0.50	-9.00	0.50	1.10
BOU	1	Episode Day 2, 2006	19	CO (PPM)	0.53	-9.00	0.53	6.50
BOU	1	Episode Day 2, 2006	20	CO (PPM)	0.42	-9.00	0.42	1.60
BOU	1	Episode Day 2, 2006	21	CO (PPM)	0.36	-9.00	0.36	1.30
BOU	1	Episode Day 2, 2006	22	CO (PPM)	0.28	-9.00	0.28	0.80
BOU	1	Episode Day 2, 2006	23	CO (PPM)	0.26	-9.00	0.26	0.40
BOU	1	Episode Day 3, 2006	0	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2006	1	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2006	2	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2006	3	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2006	4	CO (PPM)	0.25	-9.00	0.25	0.10
BOU	1	Episode Day 3, 2006	5	CO (PPM)	0.24	-9.00	0.24	0.40
BOU	1	Episode Day 3, 2006	6	CO (PPM)	0.46	-9.00	0.46	0.80
BOU	1	Episode Day 3, 2006	7	CO (PPM)	0.92	-9.00	0.92	4.00
BOU	1	Episode Day 3, 2006	8	CO (PPM)	0.47	-9.00	0.47	2.30
BOU	1	Episode Day 3, 2006	9	CO (PPM)	0.40	-9.00	0.40	2.90
BOU	1	Episode Day 3, 2006	10	CO (PPM)	0.31	-9.00	0.31	0.70
BOU	1	Episode Day 3, 2006	11	CO (PPM)	0.36	-9.00	0.36	0.90
BOU	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.30
BOU	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	3.50
BOU	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	0.70
GRDS	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	2.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2006	22	CO (PPM)	1.28	-9.00	1.28	4.00
GRDS	1	Episode Day 1, 2006	23	CO (PPM)	0.51	-9.00	0.51	3.00
GRDS	1	Episode Day 2, 2006	0	CO (PPM)	0.27	-9.00	0.27	0.80
GRDS	1	Episode Day 2, 2006	1	CO (PPM)	0.24	-9.00	0.24	0.50
GRDS	1	Episode Day 2, 2006	2	CO (PPM)	0.24	-9.00	0.24	0.70
GRDS	1	Episode Day 2, 2006	3	CO (PPM)	0.24	-9.00	0.24	0.90
GRDS	1	Episode Day 2, 2006	4	CO (PPM)	0.25	-9.00	0.25	1.10
GRDS	1	Episode Day 2, 2006	5	CO (PPM)	0.30	-9.00	0.30	1.50
GRDS	1	Episode Day 2, 2006	6	CO (PPM)	0.57	-9.00	0.57	5.30
GRDS	1	Episode Day 2, 2006	7	CO (PPM)	1.17	-9.00	1.17	16.30
GRDS	1	Episode Day 2, 2006	8	CO (PPM)	0.55	-9.00	0.55	16.60
GRDS	1	Episode Day 2, 2006	9	CO (PPM)	0.58	-9.00	0.58	6.10
GRDS	1	Episode Day 2, 2006	10	CO (PPM)	0.75	-9.00	0.75	2.00
GRDS	1	Episode Day 2, 2006	11	CO (PPM)	0.73	-9.00	0.73	1.80
GRDS	1	Episode Day 2, 2006	12	CO (PPM)	0.62	-9.00	0.62	1.80
GRDS	1	Episode Day 2, 2006	13	CO (PPM)	0.56	-9.00	0.56	-9.00
GRDS	1	Episode Day 2, 2006	14	CO (PPM)	0.79	-9.00	0.79	2.40
GRDS	1	Episode Day 2, 2006	15	CO (PPM)	1.55	-9.00	1.55	3.50
GRDS	1	Episode Day 2, 2006	16	CO (PPM)	1.59	-9.00	1.59	4.70
GRDS	1	Episode Day 2, 2006	17	CO (PPM)	0.83	-9.00	0.83	10.00
GRDS	1	Episode Day 2, 2006	18	CO (PPM)	0.63	-9.00	0.63	13.20
GRDS	1	Episode Day 2, 2006	19	CO (PPM)	0.63	-9.00	0.63	14.00
GRDS	1	Episode Day 2, 2006	20	CO (PPM)	0.49	-9.00	0.49	10.60
GRDS	1	Episode Day 2, 2006	21	CO (PPM)	0.40	-9.00	0.40	7.30
GRDS	1	Episode Day 2, 2006	22	CO (PPM)	0.31	-9.00	0.31	3.30
GRDS	1	Episode Day 2, 2006	23	CO (PPM)	0.27	-9.00	0.27	2.30
GRDS	1	Episode Day 3, 2006	0	CO (PPM)	0.26	-9.00	0.26	1.00
GRDS	1	Episode Day 3, 2006	1	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2006	2	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2006	3	CO (PPM)	0.25	-9.00	0.25	0.00
GRDS	1	Episode Day 3, 2006	4	CO (PPM)	0.26	-9.00	0.26	0.00
GRDS	1	Episode Day 3, 2006	5	CO (PPM)	0.24	-9.00	0.24	1.00
GRDS	1	Episode Day 3, 2006	6	CO (PPM)	0.43	-9.00	0.43	2.00
GRDS	1	Episode Day 3, 2006	7	CO (PPM)	1.04	-9.00	1.04	9.00
GRDS	1	Episode Day 3, 2006	8	CO (PPM)	0.55	-9.00	0.55	8.00
GRDS	1	Episode Day 3, 2006	9	CO (PPM)	0.49	-9.00	0.49	4.00
GRDS	1	Episode Day 3, 2006	10	CO (PPM)	0.32	-9.00	0.32	1.00
GRDS	1	Episode Day 3, 2006	11	CO (PPM)	0.38	-9.00	0.38	1.00
GRDS	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
GRDS	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	9.00
GRDS	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	7.00
GRDS	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	2.70
ARV	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	3.30
ARV	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	4.20
ARV	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	2.00
ARV	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.70
ARV	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.90
ARV	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.50
ARV	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	1.30
ARV	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.20
ARV	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ARV	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	3.70
ARV	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	4.50
ARV	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	6.50

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	1	Episode Day 1, 2006	22	CO (PPM)	2.71	-9.00	2.71	5.40
ARV	1	Episode Day 1, 2006	23	CO (PPM)	2.43	-9.00	2.43	2.40
ARV	1	Episode Day 2, 2006	0	CO (PPM)	1.20	-9.00	1.20	1.70
ARV	1	Episode Day 2, 2006	1	CO (PPM)	0.69	-9.00	0.69	1.30
ARV	1	Episode Day 2, 2006	2	CO (PPM)	0.91	-9.00	0.91	1.50
ARV	1	Episode Day 2, 2006	3	CO (PPM)	0.62	-9.00	0.62	1.40
ARV	1	Episode Day 2, 2006	4	CO (PPM)	0.37	-9.00	0.37	1.20
ARV	1	Episode Day 2, 2006	5	CO (PPM)	0.37	-9.00	0.37	1.80
ARV	1	Episode Day 2, 2006	6	CO (PPM)	0.45	-9.00	0.45	3.80
ARV	1	Episode Day 2, 2006	7	CO (PPM)	0.81	-9.00	0.81	9.60
ARV	1	Episode Day 2, 2006	8	CO (PPM)	0.66	-9.00	0.66	11.00
ARV	1	Episode Day 2, 2006	9	CO (PPM)	0.77	-9.00	0.77	6.60
ARV	1	Episode Day 2, 2006	10	CO (PPM)	0.77	-9.00	0.77	4.40
ARV	1	Episode Day 2, 2006	11	CO (PPM)	0.83	-9.00	0.83	2.20
ARV	1	Episode Day 2, 2006	12	CO (PPM)	0.96	-9.00	0.96	1.70
ARV	1	Episode Day 2, 2006	13	CO (PPM)	1.04	-9.00	1.04	1.60
ARV	1	Episode Day 2, 2006	14	CO (PPM)	1.20	-9.00	1.20	1.70
ARV	1	Episode Day 2, 2006	15	CO (PPM)	1.54	-9.00	1.54	2.60
ARV	1	Episode Day 2, 2006	16	CO (PPM)	3.03	-9.00	3.03	5.20
ARV	1	Episode Day 2, 2006	17	CO (PPM)	2.33	-9.00	2.33	6.30
ARV	1	Episode Day 2, 2006	18	CO (PPM)	1.03	-9.00	1.03	6.20
ARV	1	Episode Day 2, 2006	19	CO (PPM)	0.57	-9.00	0.57	6.00
ARV	1	Episode Day 2, 2006	20	CO (PPM)	0.47	-9.00	0.47	5.10
ARV	1	Episode Day 2, 2006	21	CO (PPM)	0.48	-9.00	0.48	4.10
ARV	1	Episode Day 2, 2006	22	CO (PPM)	0.45	-9.00	0.45	3.20
ARV	1	Episode Day 2, 2006	23	CO (PPM)	0.39	-9.00	0.39	2.30
ARV	1	Episode Day 3, 2006	0	CO (PPM)	0.34	-9.00	0.34	1.50
ARV	1	Episode Day 3, 2006	1	CO (PPM)	0.31	-9.00	0.31	1.20
ARV	1	Episode Day 3, 2006	2	CO (PPM)	0.31	-9.00	0.31	1.10
ARV	1	Episode Day 3, 2006	3	CO (PPM)	0.28	-9.00	0.28	0.90
ARV	1	Episode Day 3, 2006	4	CO (PPM)	0.25	-9.00	0.25	0.60
ARV	1	Episode Day 3, 2006	5	CO (PPM)	0.28	-9.00	0.28	1.10
ARV	1	Episode Day 3, 2006	6	CO (PPM)	0.58	-9.00	0.58	2.90
ARV	1	Episode Day 3, 2006	7	CO (PPM)	1.39	-9.00	1.39	8.20
ARV	1	Episode Day 3, 2006	8	CO (PPM)	0.77	-9.00	0.77	7.30
ARV	1	Episode Day 3, 2006	9	CO (PPM)	0.75	-9.00	0.75	4.50
ARV	1	Episode Day 3, 2006	10	CO (PPM)	0.73	-9.00	0.73	-9.00
ARV	1	Episode Day 3, 2006	11	CO (PPM)	0.76	-9.00	0.76	1.00
ARV	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
ARV	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	5.50
ARV	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	5.20
ARV	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	4.80
ARV	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	4.30
ARV	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	2.00
HLD	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	1.20
HLD	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
HLD	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2006	22	CO (PPM)	0.25	-9.00	0.25	0.30
HLD	1	Episode Day 1, 2006	23	CO (PPM)	0.24	-9.00	0.24	0.20
HLD	1	Episode Day 2, 2006	0	CO (PPM)	0.23	-9.00	0.23	0.20

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	1	Episode Day 2, 2006	1	CO (PPM)	0.22	-9.00	0.22	0.20
HLD	1	Episode Day 2, 2006	2	CO (PPM)	0.21	-9.00	0.21	0.10
HLD	1	Episode Day 2, 2006	3	CO (PPM)	0.21	-9.00	0.21	0.20
HLD	1	Episode Day 2, 2006	4	CO (PPM)	0.22	-9.00	0.22	0.10
HLD	1	Episode Day 2, 2006	5	CO (PPM)	0.23	-9.00	0.23	0.10
HLD	1	Episode Day 2, 2006	6	CO (PPM)	0.28	-9.00	0.28	0.10
HLD	1	Episode Day 2, 2006	7	CO (PPM)	0.39	-9.00	0.39	0.10
HLD	1	Episode Day 2, 2006	8	CO (PPM)	0.27	-9.00	0.27	0.00
HLD	1	Episode Day 2, 2006	9	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2006	10	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2006	11	CO (PPM)	0.24	-9.00	0.24	0.00
HLD	1	Episode Day 2, 2006	12	CO (PPM)	0.40	-9.00	0.40	0.00
HLD	1	Episode Day 2, 2006	13	CO (PPM)	0.47	-9.00	0.47	0.00
HLD	1	Episode Day 2, 2006	14	CO (PPM)	0.62	-9.00	0.62	0.00
HLD	1	Episode Day 2, 2006	15	CO (PPM)	1.05	-9.00	1.05	0.70
HLD	1	Episode Day 2, 2006	16	CO (PPM)	2.55	-9.00	2.55	4.00
HLD	1	Episode Day 2, 2006	17	CO (PPM)	3.18	-9.00	3.18	4.40
HLD	1	Episode Day 2, 2006	18	CO (PPM)	1.06	-9.00	1.06	1.60
HLD	1	Episode Day 2, 2006	19	CO (PPM)	0.38	-9.00	0.38	0.70
HLD	1	Episode Day 2, 2006	20	CO (PPM)	0.30	-9.00	0.30	0.50
HLD	1	Episode Day 2, 2006	21	CO (PPM)	0.29	-9.00	0.29	0.30
HLD	1	Episode Day 2, 2006	22	CO (PPM)	0.26	-9.00	0.26	0.30
HLD	1	Episode Day 2, 2006	23	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2006	0	CO (PPM)	0.25	-9.00	0.25	0.40
HLD	1	Episode Day 3, 2006	1	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2006	2	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2006	3	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2006	4	CO (PPM)	0.22	-9.00	0.22	0.40
HLD	1	Episode Day 3, 2006	5	CO (PPM)	0.24	-9.00	0.24	0.30
HLD	1	Episode Day 3, 2006	6	CO (PPM)	0.31	-9.00	0.31	0.30
HLD	1	Episode Day 3, 2006	7	CO (PPM)	0.91	-9.00	0.91	1.90
HLD	1	Episode Day 3, 2006	8	CO (PPM)	0.72	-9.00	0.72	2.00
HLD	1	Episode Day 3, 2006	9	CO (PPM)	0.68	-9.00	0.68	1.10
HLD	1	Episode Day 3, 2006	10	CO (PPM)	0.46	-9.00	0.46	0.00
HLD	1	Episode Day 3, 2006	11	CO (PPM)	0.38	-9.00	0.38	0.00
HLD	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
HLD	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	1.80
AUR	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2006	22	CO (PPM)	0.79	-9.00	0.79	-9.00
AUR	1	Episode Day 1, 2006	23	CO (PPM)	0.81	-9.00	0.81	-9.00
AUR	1	Episode Day 2, 2006	0	CO (PPM)	0.70	-9.00	0.70	-9.00
AUR	1	Episode Day 2, 2006	1	CO (PPM)	0.44	-9.00	0.44	-9.00
AUR	1	Episode Day 2, 2006	2	CO (PPM)	0.34	-9.00	0.34	-9.00
AUR	1	Episode Day 2, 2006	3	CO (PPM)	0.31	-9.00	0.31	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	1	Episode Day 2, 2006	4	CO (PPM)	0.33	-9.00	0.33	-9.00
AUR	1	Episode Day 2, 2006	5	CO (PPM)	0.37	-9.00	0.37	-9.00
AUR	1	Episode Day 2, 2006	6	CO (PPM)	0.55	-9.00	0.55	-9.00
AUR	1	Episode Day 2, 2006	7	CO (PPM)	1.25	-9.00	1.25	-9.00
AUR	1	Episode Day 2, 2006	8	CO (PPM)	0.96	-9.00	0.96	-9.00
AUR	1	Episode Day 2, 2006	9	CO (PPM)	0.66	-9.00	0.66	-9.00
AUR	1	Episode Day 2, 2006	10	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2006	11	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2006	12	CO (PPM)	0.46	-9.00	0.46	-9.00
AUR	1	Episode Day 2, 2006	13	CO (PPM)	0.54	-9.00	0.54	-9.00
AUR	1	Episode Day 2, 2006	14	CO (PPM)	0.77	-9.00	0.77	-9.00
AUR	1	Episode Day 2, 2006	15	CO (PPM)	1.24	-9.00	1.24	-9.00
AUR	1	Episode Day 2, 2006	16	CO (PPM)	2.44	-9.00	2.44	-9.00
AUR	1	Episode Day 2, 2006	17	CO (PPM)	3.09	-9.00	3.09	-9.00
AUR	1	Episode Day 2, 2006	18	CO (PPM)	3.36	-9.00	3.36	-9.00
AUR	1	Episode Day 2, 2006	19	CO (PPM)	4.23	-9.00	4.23	-9.00
AUR	1	Episode Day 2, 2006	20	CO (PPM)	4.10	-9.00	4.10	-9.00
AUR	1	Episode Day 2, 2006	21	CO (PPM)	1.29	-9.00	1.29	-9.00
AUR	1	Episode Day 2, 2006	22	CO (PPM)	0.95	-9.00	0.95	-9.00
AUR	1	Episode Day 2, 2006	23	CO (PPM)	0.72	-9.00	0.72	-9.00
AUR	1	Episode Day 3, 2006	0	CO (PPM)	0.51	-9.00	0.51	-9.00
AUR	1	Episode Day 3, 2006	1	CO (PPM)	0.38	-9.00	0.38	-9.00
AUR	1	Episode Day 3, 2006	2	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2006	3	CO (PPM)	0.27	-9.00	0.27	-9.00
AUR	1	Episode Day 3, 2006	4	CO (PPM)	0.28	-9.00	0.28	-9.00
AUR	1	Episode Day 3, 2006	5	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2006	6	CO (PPM)	0.48	-9.00	0.48	-9.00
AUR	1	Episode Day 3, 2006	7	CO (PPM)	1.15	-9.00	1.15	-9.00
AUR	1	Episode Day 3, 2006	8	CO (PPM)	0.70	-9.00	0.70	-9.00
AUR	1	Episode Day 3, 2006	9	CO (PPM)	0.60	-9.00	0.60	-9.00
AUR	1	Episode Day 3, 2006	10	CO (PPM)	0.56	-9.00	0.56	-9.00
AUR	1	Episode Day 3, 2006	11	CO (PPM)	0.52	-9.00	0.52	-9.00
AUR	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AURS	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
AURS	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	2.20
AURS	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
AURS	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	3.70
AURS	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
AURS	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2006	22	CO (PPM)	0.56	-9.00	0.56	1.00
AURS	1	Episode Day 1, 2006	23	CO (PPM)	0.53	-9.00	0.53	0.90
AURS	1	Episode Day 2, 2006	0	CO (PPM)	0.40	-9.00	0.40	0.80
AURS	1	Episode Day 2, 2006	1	CO (PPM)	0.31	-9.00	0.31	0.50
AURS	1	Episode Day 2, 2006	2	CO (PPM)	0.27	-9.00	0.27	0.30
AURS	1	Episode Day 2, 2006	3	CO (PPM)	0.26	-9.00	0.26	0.30
AURS	1	Episode Day 2, 2006	4	CO (PPM)	0.28	-9.00	0.28	0.30
AURS	1	Episode Day 2, 2006	5	CO (PPM)	0.33	-9.00	0.33	0.90
AURS	1	Episode Day 2, 2006	6	CO (PPM)	0.54	-9.00	0.54	2.80

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	1	Episode Day 2, 2006	7	CO (PPM)	1.14	-9.00	1.14	3.90
AURS	1	Episode Day 2, 2006	8	CO (PPM)	0.68	-9.00	0.68	2.70
AURS	1	Episode Day 2, 2006	9	CO (PPM)	0.38	-9.00	0.38	2.30
AURS	1	Episode Day 2, 2006	10	CO (PPM)	0.31	-9.00	0.31	2.10
AURS	1	Episode Day 2, 2006	11	CO (PPM)	0.36	-9.00	0.36	2.70
AURS	1	Episode Day 2, 2006	12	CO (PPM)	0.49	-9.00	0.49	2.30
AURS	1	Episode Day 2, 2006	13	CO (PPM)	0.62	-9.00	0.62	2.50
AURS	1	Episode Day 2, 2006	14	CO (PPM)	0.83	-9.00	0.83	1.70
AURS	1	Episode Day 2, 2006	15	CO (PPM)	1.36	-9.00	1.36	2.60
AURS	1	Episode Day 2, 2006	16	CO (PPM)	3.65	-9.00	3.65	5.30
AURS	1	Episode Day 2, 2006	17	CO (PPM)	5.89	-9.00	5.89	11.20
AURS	1	Episode Day 2, 2006	18	CO (PPM)	6.44	-9.00	6.44	5.60
AURS	1	Episode Day 2, 2006	19	CO (PPM)	3.91	-9.00	3.91	3.00
AURS	1	Episode Day 2, 2006	20	CO (PPM)	0.92	-9.00	0.92	2.20
AURS	1	Episode Day 2, 2006	21	CO (PPM)	0.62	-9.00	0.62	1.80
AURS	1	Episode Day 2, 2006	22	CO (PPM)	0.55	-9.00	0.55	1.70
AURS	1	Episode Day 2, 2006	23	CO (PPM)	0.42	-9.00	0.42	1.30
AURS	1	Episode Day 3, 2006	0	CO (PPM)	0.37	-9.00	0.37	0.80
AURS	1	Episode Day 3, 2006	1	CO (PPM)	0.35	-9.00	0.35	0.50
AURS	1	Episode Day 3, 2006	2	CO (PPM)	0.27	-9.00	0.27	0.50
AURS	1	Episode Day 3, 2006	3	CO (PPM)	0.25	-9.00	0.25	0.50
AURS	1	Episode Day 3, 2006	4	CO (PPM)	0.26	-9.00	0.26	0.70
AURS	1	Episode Day 3, 2006	5	CO (PPM)	0.30	-9.00	0.30	1.20
AURS	1	Episode Day 3, 2006	6	CO (PPM)	0.48	-9.00	0.48	5.40
AURS	1	Episode Day 3, 2006	7	CO (PPM)	1.10	-9.00	1.10	6.90
AURS	1	Episode Day 3, 2006	8	CO (PPM)	0.55	-9.00	0.55	5.00
AURS	1	Episode Day 3, 2006	9	CO (PPM)	0.55	-9.00	0.55	3.30
AURS	1	Episode Day 3, 2006	10	CO (PPM)	0.48	-9.00	0.48	0.90
AURS	1	Episode Day 3, 2006	11	CO (PPM)	0.43	-9.00	0.43	0.90
AURS	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	1.80
AURS	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	3.40
AURS	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	3.90
AURS	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	2.70
AURS	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	3.00
AURS	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	1.10
PLM	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2006	22	CO (PPM)	1.11	-9.00	1.11	-9.00
PLM	1	Episode Day 1, 2006	23	CO (PPM)	1.16	-9.00	1.16	-9.00
PLM	1	Episode Day 2, 2006	0	CO (PPM)	0.88	-9.00	0.88	-9.00
PLM	1	Episode Day 2, 2006	1	CO (PPM)	0.50	-9.00	0.50	-9.00
PLM	1	Episode Day 2, 2006	2	CO (PPM)	0.41	-9.00	0.41	-9.00
PLM	1	Episode Day 2, 2006	3	CO (PPM)	0.38	-9.00	0.38	-9.00
PLM	1	Episode Day 2, 2006	4	CO (PPM)	0.40	-9.00	0.40	-9.00
PLM	1	Episode Day 2, 2006	5	CO (PPM)	0.43	-9.00	0.43	-9.00
PLM	1	Episode Day 2, 2006	6	CO (PPM)	0.66	-9.00	0.66	-9.00
PLM	1	Episode Day 2, 2006	7	CO (PPM)	1.71	-9.00	1.71	-9.00
PLM	1	Episode Day 2, 2006	8	CO (PPM)	1.15	-9.00	1.15	-9.00
PLM	1	Episode Day 2, 2006	9	CO (PPM)	0.87	-9.00	0.87	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	1	Episode Day 2, 2006	10	CO (PPM)	0.53	-9.00	0.53	-9.00
PLM	1	Episode Day 2, 2006	11	CO (PPM)	0.51	-9.00	0.51	-9.00
PLM	1	Episode Day 2, 2006	12	CO (PPM)	0.60	-9.00	0.60	-9.00
PLM	1	Episode Day 2, 2006	13	CO (PPM)	0.67	-9.00	0.67	-9.00
PLM	1	Episode Day 2, 2006	14	CO (PPM)	0.96	-9.00	0.96	-9.00
PLM	1	Episode Day 2, 2006	15	CO (PPM)	1.55	-9.00	1.55	-9.00
PLM	1	Episode Day 2, 2006	16	CO (PPM)	3.27	-9.00	3.27	-9.00
PLM	1	Episode Day 2, 2006	17	CO (PPM)	4.26	-9.00	4.26	-9.00
PLM	1	Episode Day 2, 2006	18	CO (PPM)	4.91	-9.00	4.91	-9.00
PLM	1	Episode Day 2, 2006	19	CO (PPM)	6.25	-9.00	6.25	-9.00
PLM	1	Episode Day 2, 2006	20	CO (PPM)	2.05	-9.00	2.05	-9.00
PLM	1	Episode Day 2, 2006	21	CO (PPM)	1.07	-9.00	1.07	-9.00
PLM	1	Episode Day 2, 2006	22	CO (PPM)	1.12	-9.00	1.12	-9.00
PLM	1	Episode Day 2, 2006	23	CO (PPM)	0.85	-9.00	0.85	-9.00
PLM	1	Episode Day 3, 2006	0	CO (PPM)	0.58	-9.00	0.58	-9.00
PLM	1	Episode Day 3, 2006	1	CO (PPM)	0.48	-9.00	0.48	-9.00
PLM	1	Episode Day 3, 2006	2	CO (PPM)	0.39	-9.00	0.39	-9.00
PLM	1	Episode Day 3, 2006	3	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2006	4	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2006	5	CO (PPM)	0.37	-9.00	0.37	-9.00
PLM	1	Episode Day 3, 2006	6	CO (PPM)	0.57	-9.00	0.57	-9.00
PLM	1	Episode Day 3, 2006	7	CO (PPM)	1.60	-9.00	1.60	-9.00
PLM	1	Episode Day 3, 2006	8	CO (PPM)	0.98	-9.00	0.98	-9.00
PLM	1	Episode Day 3, 2006	9	CO (PPM)	0.77	-9.00	0.77	-9.00
PLM	1	Episode Day 3, 2006	10	CO (PPM)	0.72	-9.00	0.72	-9.00
PLM	1	Episode Day 3, 2006	11	CO (PPM)	0.80	-9.00	0.80	-9.00
PLM	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2006	22	CO (PPM)	0.25	-9.00	0.25	-9.00
BTN	1	Episode Day 1, 2006	23	CO (PPM)	0.28	-9.00	0.28	-9.00
BTN	1	Episode Day 2, 2006	0	CO (PPM)	0.40	-9.00	0.40	-9.00
BTN	1	Episode Day 2, 2006	1	CO (PPM)	0.50	-9.00	0.50	-9.00
BTN	1	Episode Day 2, 2006	2	CO (PPM)	0.48	-9.00	0.48	-9.00
BTN	1	Episode Day 2, 2006	3	CO (PPM)	0.43	-9.00	0.43	-9.00
BTN	1	Episode Day 2, 2006	4	CO (PPM)	0.35	-9.00	0.35	-9.00
BTN	1	Episode Day 2, 2006	5	CO (PPM)	0.29	-9.00	0.29	-9.00
BTN	1	Episode Day 2, 2006	6	CO (PPM)	0.30	-9.00	0.30	-9.00
BTN	1	Episode Day 2, 2006	7	CO (PPM)	0.44	-9.00	0.44	-9.00
BTN	1	Episode Day 2, 2006	8	CO (PPM)	0.44	-9.00	0.44	-9.00
BTN	1	Episode Day 2, 2006	9	CO (PPM)	0.53	-9.00	0.53	-9.00
BTN	1	Episode Day 2, 2006	10	CO (PPM)	0.65	-9.00	0.65	-9.00
BTN	1	Episode Day 2, 2006	11	CO (PPM)	0.77	-9.00	0.77	-9.00
BTN	1	Episode Day 2, 2006	12	CO (PPM)	0.76	-9.00	0.76	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	1	Episode Day 2, 2006	13	CO (PPM)	0.73	-9.00	0.73	-9.00
BTN	1	Episode Day 2, 2006	14	CO (PPM)	0.75	-9.00	0.75	-9.00
BTN	1	Episode Day 2, 2006	15	CO (PPM)	0.82	-9.00	0.82	-9.00
BTN	1	Episode Day 2, 2006	16	CO (PPM)	1.04	-9.00	1.04	-9.00
BTN	1	Episode Day 2, 2006	17	CO (PPM)	1.18	-9.00	1.18	-9.00
BTN	1	Episode Day 2, 2006	18	CO (PPM)	1.26	-9.00	1.26	-9.00
BTN	1	Episode Day 2, 2006	19	CO (PPM)	1.01	-9.00	1.01	-9.00
BTN	1	Episode Day 2, 2006	20	CO (PPM)	0.66	-9.00	0.66	-9.00
BTN	1	Episode Day 2, 2006	21	CO (PPM)	0.80	-9.00	0.80	-9.00
BTN	1	Episode Day 2, 2006	22	CO (PPM)	1.38	-9.00	1.38	-9.00
BTN	1	Episode Day 2, 2006	23	CO (PPM)	1.61	-9.00	1.61	-9.00
BTN	1	Episode Day 3, 2006	0	CO (PPM)	0.98	-9.00	0.98	-9.00
BTN	1	Episode Day 3, 2006	1	CO (PPM)	0.73	-9.00	0.73	-9.00
BTN	1	Episode Day 3, 2006	2	CO (PPM)	0.60	-9.00	0.60	-9.00
BTN	1	Episode Day 3, 2006	3	CO (PPM)	0.40	-9.00	0.40	-9.00
BTN	1	Episode Day 3, 2006	4	CO (PPM)	0.33	-9.00	0.33	-9.00
BTN	1	Episode Day 3, 2006	5	CO (PPM)	0.31	-9.00	0.31	-9.00
BTN	1	Episode Day 3, 2006	6	CO (PPM)	0.34	-9.00	0.34	-9.00
BTN	1	Episode Day 3, 2006	7	CO (PPM)	0.37	-9.00	0.37	-9.00
BTN	1	Episode Day 3, 2006	8	CO (PPM)	0.33	-9.00	0.33	-9.00
BTN	1	Episode Day 3, 2006	9	CO (PPM)	0.36	-9.00	0.36	-9.00
BTN	1	Episode Day 3, 2006	10	CO (PPM)	0.32	-9.00	0.32	-9.00
BTN	1	Episode Day 3, 2006	11	CO (PPM)	0.25	-9.00	0.25	-9.00
BTN	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2006	22	CO (PPM)	1.11	-9.00	1.11	-9.00
U_1	1	Episode Day 1, 2006	23	CO (PPM)	1.16	-9.00	1.16	-9.00
U_1	1	Episode Day 2, 2006	0	CO (PPM)	0.85	-9.00	0.85	-9.00
U_1	1	Episode Day 2, 2006	1	CO (PPM)	0.54	-9.00	0.54	-9.00
U_1	1	Episode Day 2, 2006	2	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2006	3	CO (PPM)	0.42	-9.00	0.42	-9.00
U_1	1	Episode Day 2, 2006	4	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2006	5	CO (PPM)	0.49	-9.00	0.49	-9.00
U_1	1	Episode Day 2, 2006	6	CO (PPM)	0.72	-9.00	0.72	-9.00
U_1	1	Episode Day 2, 2006	7	CO (PPM)	2.03	-9.00	2.03	-9.00
U_1	1	Episode Day 2, 2006	8	CO (PPM)	1.32	-9.00	1.32	-9.00
U_1	1	Episode Day 2, 2006	9	CO (PPM)	0.78	-9.00	0.78	-9.00
U_1	1	Episode Day 2, 2006	10	CO (PPM)	0.50	-9.00	0.50	-9.00
U_1	1	Episode Day 2, 2006	11	CO (PPM)	0.57	-9.00	0.57	-9.00
U_1	1	Episode Day 2, 2006	12	CO (PPM)	0.76	-9.00	0.76	-9.00
U_1	1	Episode Day 2, 2006	13	CO (PPM)	0.96	-9.00	0.96	-9.00
U_1	1	Episode Day 2, 2006	14	CO (PPM)	1.51	-9.00	1.51	-9.00
U_1	1	Episode Day 2, 2006	15	CO (PPM)	2.14	-9.00	2.14	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	1	Episode Day 2, 2006	16	CO (PPM)	5.23	-9.00	5.23	-9.00
U_1	1	Episode Day 2, 2006	17	CO (PPM)	9.05	-9.00	9.05	-9.00
U_1	1	Episode Day 2, 2006	18	CO (PPM)	9.06	-9.00	9.06	-9.00
U_1	1	Episode Day 2, 2006	19	CO (PPM)	2.83	-9.00	2.83	-9.00
U_1	1	Episode Day 2, 2006	20	CO (PPM)	1.16	-9.00	1.16	-9.00
U_1	1	Episode Day 2, 2006	21	CO (PPM)	1.05	-9.00	1.05	-9.00
U_1	1	Episode Day 2, 2006	22	CO (PPM)	1.02	-9.00	1.02	-9.00
U_1	1	Episode Day 2, 2006	23	CO (PPM)	0.89	-9.00	0.89	-9.00
U_1	1	Episode Day 3, 2006	0	CO (PPM)	0.68	-9.00	0.68	-9.00
U_1	1	Episode Day 3, 2006	1	CO (PPM)	0.58	-9.00	0.58	-9.00
U_1	1	Episode Day 3, 2006	2	CO (PPM)	0.41	-9.00	0.41	-9.00
U_1	1	Episode Day 3, 2006	3	CO (PPM)	0.32	-9.00	0.32	-9.00
U_1	1	Episode Day 3, 2006	4	CO (PPM)	0.34	-9.00	0.34	-9.00
U_1	1	Episode Day 3, 2006	5	CO (PPM)	0.47	-9.00	0.47	-9.00
U_1	1	Episode Day 3, 2006	6	CO (PPM)	0.88	-9.00	0.88	-9.00
U_1	1	Episode Day 3, 2006	7	CO (PPM)	2.54	-9.00	2.54	-9.00
U_1	1	Episode Day 3, 2006	8	CO (PPM)	1.61	-9.00	1.61	-9.00
U_1	1	Episode Day 3, 2006	9	CO (PPM)	1.10	-9.00	1.10	-9.00
U_1	1	Episode Day 3, 2006	10	CO (PPM)	0.93	-9.00	0.93	-9.00
U_1	1	Episode Day 3, 2006	11	CO (PPM)	0.88	-9.00	0.88	-9.00
U_1	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2006	22	CO (PPM)	1.35	-9.00	1.35	-9.00
F_A	1	Episode Day 1, 2006	23	CO (PPM)	0.66	-9.00	0.66	-9.00
F_A	1	Episode Day 2, 2006	0	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 2, 2006	1	CO (PPM)	0.25	-9.00	0.25	-9.00
F_A	1	Episode Day 2, 2006	2	CO (PPM)	0.25	-9.00	0.25	-9.00
F_A	1	Episode Day 2, 2006	3	CO (PPM)	0.25	-9.00	0.25	-9.00
F_A	1	Episode Day 2, 2006	4	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2006	5	CO (PPM)	0.34	-9.00	0.34	-9.00
F_A	1	Episode Day 2, 2006	6	CO (PPM)	0.61	-9.00	0.61	-9.00
F_A	1	Episode Day 2, 2006	7	CO (PPM)	1.31	-9.00	1.31	-9.00
F_A	1	Episode Day 2, 2006	8	CO (PPM)	0.66	-9.00	0.66	-9.00
F_A	1	Episode Day 2, 2006	9	CO (PPM)	0.59	-9.00	0.59	-9.00
F_A	1	Episode Day 2, 2006	10	CO (PPM)	0.58	-9.00	0.58	-9.00
F_A	1	Episode Day 2, 2006	11	CO (PPM)	0.54	-9.00	0.54	-9.00
F_A	1	Episode Day 2, 2006	12	CO (PPM)	0.50	-9.00	0.50	-9.00
F_A	1	Episode Day 2, 2006	13	CO (PPM)	0.47	-9.00	0.47	-9.00
F_A	1	Episode Day 2, 2006	14	CO (PPM)	0.65	-9.00	0.65	-9.00
F_A	1	Episode Day 2, 2006	15	CO (PPM)	1.17	-9.00	1.17	-9.00
F_A	1	Episode Day 2, 2006	16	CO (PPM)	1.78	-9.00	1.78	-9.00
F_A	1	Episode Day 2, 2006	17	CO (PPM)	0.98	-9.00	0.98	-9.00
F_A	1	Episode Day 2, 2006	18	CO (PPM)	0.75	-9.00	0.75	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	1	Episode Day 2, 2006	19	CO (PPM)	0.78	-9.00	0.78	-9.00
F_A	1	Episode Day 2, 2006	20	CO (PPM)	0.68	-9.00	0.68	-9.00
F_A	1	Episode Day 2, 2006	21	CO (PPM)	0.49	-9.00	0.49	-9.00
F_A	1	Episode Day 2, 2006	22	CO (PPM)	0.36	-9.00	0.36	-9.00
F_A	1	Episode Day 2, 2006	23	CO (PPM)	0.30	-9.00	0.30	-9.00
F_A	1	Episode Day 3, 2006	0	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 3, 2006	1	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2006	2	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2006	3	CO (PPM)	0.27	-9.00	0.27	-9.00
F_A	1	Episode Day 3, 2006	4	CO (PPM)	0.28	-9.00	0.28	-9.00
F_A	1	Episode Day 3, 2006	5	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2006	6	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2006	7	CO (PPM)	1.15	-9.00	1.15	-9.00
F_A	1	Episode Day 3, 2006	8	CO (PPM)	0.64	-9.00	0.64	-9.00
F_A	1	Episode Day 3, 2006	9	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2006	10	CO (PPM)	0.30	-9.00	0.30	-9.00
F_A	1	Episode Day 3, 2006	11	CO (PPM)	0.38	-9.00	0.38	-9.00
F_A	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2006	22	CO (PPM)	0.60	-9.00	0.60	-9.00
H_U	1	Episode Day 1, 2006	23	CO (PPM)	0.40	-9.00	0.40	-9.00
H_U	1	Episode Day 2, 2006	0	CO (PPM)	0.34	-9.00	0.34	-9.00
H_U	1	Episode Day 2, 2006	1	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2006	2	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2006	3	CO (PPM)	0.27	-9.00	0.27	-9.00
H_U	1	Episode Day 2, 2006	4	CO (PPM)	0.29	-9.00	0.29	-9.00
H_U	1	Episode Day 2, 2006	5	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2006	6	CO (PPM)	0.40	-9.00	0.40	-9.00
H_U	1	Episode Day 2, 2006	7	CO (PPM)	0.80	-9.00	0.80	-9.00
H_U	1	Episode Day 2, 2006	8	CO (PPM)	0.56	-9.00	0.56	-9.00
H_U	1	Episode Day 2, 2006	9	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 2, 2006	10	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2006	11	CO (PPM)	0.32	-9.00	0.32	-9.00
H_U	1	Episode Day 2, 2006	12	CO (PPM)	0.40	-9.00	0.40	-9.00
H_U	1	Episode Day 2, 2006	13	CO (PPM)	0.58	-9.00	0.58	-9.00
H_U	1	Episode Day 2, 2006	14	CO (PPM)	1.01	-9.00	1.01	-9.00
H_U	1	Episode Day 2, 2006	15	CO (PPM)	1.87	-9.00	1.87	-9.00
H_U	1	Episode Day 2, 2006	16	CO (PPM)	4.21	-9.00	4.21	-9.00
H_U	1	Episode Day 2, 2006	17	CO (PPM)	4.47	-9.00	4.47	-9.00
H_U	1	Episode Day 2, 2006	18	CO (PPM)	1.78	-9.00	1.78	-9.00
H_U	1	Episode Day 2, 2006	19	CO (PPM)	0.78	-9.00	0.78	-9.00
H_U	1	Episode Day 2, 2006	20	CO (PPM)	0.43	-9.00	0.43	-9.00
H_U	1	Episode Day 2, 2006	21	CO (PPM)	0.41	-9.00	0.41	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	1	Episode Day 2, 2006	22	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2006	23	CO (PPM)	0.37	-9.00	0.37	-9.00
H_U	1	Episode Day 3, 2006	0	CO (PPM)	0.34	-9.00	0.34	-9.00
H_U	1	Episode Day 3, 2006	1	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 3, 2006	2	CO (PPM)	0.27	-9.00	0.27	-9.00
H_U	1	Episode Day 3, 2006	3	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2006	4	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2006	5	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 3, 2006	6	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 3, 2006	7	CO (PPM)	1.12	-9.00	1.12	-9.00
H_U	1	Episode Day 3, 2006	8	CO (PPM)	0.58	-9.00	0.58	-9.00
H_U	1	Episode Day 3, 2006	9	CO (PPM)	0.58	-9.00	0.58	-9.00
H_U	1	Episode Day 3, 2006	10	CO (PPM)	0.62	-9.00	0.62	-9.00
H_U	1	Episode Day 3, 2006	11	CO (PPM)	0.62	-9.00	0.62	-9.00
H_U	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2006	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 1, 2006	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 2, 2006	0	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2006	1	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2006	2	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2006	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2006	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2006	5	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2006	6	CO (PPM)	0.30	-9.00	0.30	-9.00
U_A	1	Episode Day 2, 2006	7	CO (PPM)	0.45	-9.00	0.45	-9.00
U_A	1	Episode Day 2, 2006	8	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2006	9	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2006	10	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2006	11	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 2, 2006	12	CO (PPM)	0.40	-9.00	0.40	-9.00
U_A	1	Episode Day 2, 2006	13	CO (PPM)	0.47	-9.00	0.47	-9.00
U_A	1	Episode Day 2, 2006	14	CO (PPM)	0.68	-9.00	0.68	-9.00
U_A	1	Episode Day 2, 2006	15	CO (PPM)	1.16	-9.00	1.16	-9.00
U_A	1	Episode Day 2, 2006	16	CO (PPM)	2.83	-9.00	2.83	-9.00
U_A	1	Episode Day 2, 2006	17	CO (PPM)	3.29	-9.00	3.29	-9.00
U_A	1	Episode Day 2, 2006	18	CO (PPM)	1.33	-9.00	1.33	-9.00
U_A	1	Episode Day 2, 2006	19	CO (PPM)	0.46	-9.00	0.46	-9.00
U_A	1	Episode Day 2, 2006	20	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2006	21	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2006	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 2, 2006	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2006	0	CO (PPM)	0.27	-9.00	0.27	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	1	Episode Day 3, 2006	1	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2006	2	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 3, 2006	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 3, 2006	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 3, 2006	5	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 3, 2006	6	CO (PPM)	0.34	-9.00	0.34	-9.00
U_A	1	Episode Day 3, 2006	7	CO (PPM)	1.01	-9.00	1.01	-9.00
U_A	1	Episode Day 3, 2006	8	CO (PPM)	0.62	-9.00	0.62	-9.00
U_A	1	Episode Day 3, 2006	9	CO (PPM)	0.64	-9.00	0.64	-9.00
U_A	1	Episode Day 3, 2006	10	CO (PPM)	0.56	-9.00	0.56	-9.00
U_A	1	Episode Day 3, 2006	11	CO (PPM)	0.45	-9.00	0.45	-9.00
U_A	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2006	22	CO (PPM)	0.71	-9.00	0.71	-9.00
P_I	1	Episode Day 1, 2006	23	CO (PPM)	0.63	-9.00	0.63	-9.00
P_I	1	Episode Day 2, 2006	0	CO (PPM)	0.45	-9.00	0.45	-9.00
P_I	1	Episode Day 2, 2006	1	CO (PPM)	0.35	-9.00	0.35	-9.00
P_I	1	Episode Day 2, 2006	2	CO (PPM)	0.30	-9.00	0.30	-9.00
P_I	1	Episode Day 2, 2006	3	CO (PPM)	0.28	-9.00	0.28	-9.00
P_I	1	Episode Day 2, 2006	4	CO (PPM)	0.31	-9.00	0.31	-9.00
P_I	1	Episode Day 2, 2006	5	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 2, 2006	6	CO (PPM)	0.59	-9.00	0.59	-9.00
P_I	1	Episode Day 2, 2006	7	CO (PPM)	1.35	-9.00	1.35	-9.00
P_I	1	Episode Day 2, 2006	8	CO (PPM)	0.84	-9.00	0.84	-9.00
P_I	1	Episode Day 2, 2006	9	CO (PPM)	0.43	-9.00	0.43	-9.00
P_I	1	Episode Day 2, 2006	10	CO (PPM)	0.34	-9.00	0.34	-9.00
P_I	1	Episode Day 2, 2006	11	CO (PPM)	0.38	-9.00	0.38	-9.00
P_I	1	Episode Day 2, 2006	12	CO (PPM)	0.49	-9.00	0.49	-9.00
P_I	1	Episode Day 2, 2006	13	CO (PPM)	0.56	-9.00	0.56	-9.00
P_I	1	Episode Day 2, 2006	14	CO (PPM)	0.78	-9.00	0.78	-9.00
P_I	1	Episode Day 2, 2006	15	CO (PPM)	1.30	-9.00	1.30	-9.00
P_I	1	Episode Day 2, 2006	16	CO (PPM)	3.15	-9.00	3.15	-9.00
P_I	1	Episode Day 2, 2006	17	CO (PPM)	5.05	-9.00	5.05	-9.00
P_I	1	Episode Day 2, 2006	18	CO (PPM)	6.15	-9.00	6.15	-9.00
P_I	1	Episode Day 2, 2006	19	CO (PPM)	3.11	-9.00	3.11	-9.00
P_I	1	Episode Day 2, 2006	20	CO (PPM)	1.04	-9.00	1.04	-9.00
P_I	1	Episode Day 2, 2006	21	CO (PPM)	0.70	-9.00	0.70	-9.00
P_I	1	Episode Day 2, 2006	22	CO (PPM)	0.68	-9.00	0.68	-9.00
P_I	1	Episode Day 2, 2006	23	CO (PPM)	0.49	-9.00	0.49	-9.00
P_I	1	Episode Day 3, 2006	0	CO (PPM)	0.41	-9.00	0.41	-9.00
P_I	1	Episode Day 3, 2006	1	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 3, 2006	2	CO (PPM)	0.28	-9.00	0.28	-9.00
P_I	1	Episode Day 3, 2006	3	CO (PPM)	0.26	-9.00	0.26	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	1	Episode Day 3, 2006	4	CO (PPM)	0.27	-9.00	0.27	-9.00
P_I	1	Episode Day 3, 2006	5	CO (PPM)	0.31	-9.00	0.31	-9.00
P_I	1	Episode Day 3, 2006	6	CO (PPM)	0.53	-9.00	0.53	-9.00
P_I	1	Episode Day 3, 2006	7	CO (PPM)	1.34	-9.00	1.34	-9.00
P_I	1	Episode Day 3, 2006	8	CO (PPM)	0.77	-9.00	0.77	-9.00
P_I	1	Episode Day 3, 2006	9	CO (PPM)	0.75	-9.00	0.75	-9.00
P_I	1	Episode Day 3, 2006	10	CO (PPM)	0.64	-9.00	0.64	-9.00
P_I	1	Episode Day 3, 2006	11	CO (PPM)	0.50	-9.00	0.50	-9.00
P_I	1	Episode Day 3, 2006	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2006	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CMP	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.04
CMP	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	1.90
CMP	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	1.84
CMP	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.81
CMP	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.70
CMP	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.59
CMP	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.56
CMP	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.57
CMP	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.74
CMP	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	2.36
CMP	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	3.15
CMP	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	4.06
CMP	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	3.96
CMP	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	3.91
CMP	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	3.69
CMP	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	3.08
CMP	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	2.23
CMP	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	1.38
CMP	8	Episode Day 2, 2006	3	CO (PPM)	1.43	NA	1.43	0.93
CMP	8	Episode Day 2, 2006	4	CO (PPM)	1.33	NA	1.33	0.76
CMP	8	Episode Day 2, 2006	5	CO (PPM)	1.26	NA	1.26	0.65
CMP	8	Episode Day 2, 2006	6	CO (PPM)	1.21	NA	1.21	0.63
CMP	8	Episode Day 2, 2006	7	CO (PPM)	1.34	NA	1.34	0.94
CMP	8	Episode Day 2, 2006	8	CO (PPM)	1.28	NA	1.28	1.43
CMP	8	Episode Day 2, 2006	9	CO (PPM)	1.21	NA	1.21	1.69
CMP	8	Episode Day 2, 2006	10	CO (PPM)	1.22	NA	1.22	2.05
CMP	8	Episode Day 2, 2006	11	CO (PPM)	1.27	NA	1.27	2.61
CMP	8	Episode Day 2, 2006	12	CO (PPM)	1.34	NA	1.34	3.11
CMP	8	Episode Day 2, 2006	13	CO (PPM)	1.42	NA	1.42	3.61
CMP	8	Episode Day 2, 2006	14	CO (PPM)	1.54	NA	1.54	4.08
CMP	8	Episode Day 2, 2006	15	CO (PPM)	1.54	NA	1.54	4.44
CMP	8	Episode Day 2, 2006	16	CO (PPM)	2.37	NA	2.37	9.39
CMP	8	Episode Day 2, 2006	17	CO (PPM)	3.85	NA	3.85	15.34
CMP	8	Episode Day 2, 2006	18	CO (PPM)	5.48	NA	5.48	18.73
CMP	8	Episode Day 2, 2006	19	CO (PPM)	6.71	NA	6.71	18.65
CMP	8	Episode Day 2, 2006	20	CO (PPM)	7.12	NA	7.12	18.41
CMP	8	Episode Day 2, 2006	21	CO (PPM)	7.37	NA	7.37	18.16
CMP	8	Episode Day 2, 2006	22	CO (PPM)	7.59	NA	7.59	18.08
CMP	8	Episode Day 2, 2006	23	CO (PPM)	7.64	NA	7.64	17.70
CMP	8	Episode Day 3, 2006	0	CO (PPM)	6.90	NA	6.90	12.64
CMP	8	Episode Day 3, 2006	1	CO (PPM)	5.48	NA	5.48	6.65
CMP	8	Episode Day 3, 2006	2	CO (PPM)	3.85	NA	3.85	3.04
CMP	8	Episode Day 3, 2006	3	CO (PPM)	2.55	NA	2.55	2.65

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	8	Episode Day 3, 2006	4	CO (PPM)	2.05	NA	2.05	2.53
CMP	8	Episode Day 3, 2006	5	CO (PPM)	1.76	NA	1.76	2.54
CMP	8	Episode Day 3, 2006	6	CO (PPM)	1.58	NA	1.58	2.70
CMP	8	Episode Day 3, 2006	7	CO (PPM)	1.73	NA	1.73	3.36
CMP	8	Episode Day 3, 2006	8	CO (PPM)	1.75	NA	1.75	4.14
CMP	8	Episode Day 3, 2006	9	CO (PPM)	1.85	NA	1.85	4.71
CMP	8	Episode Day 3, 2006	10	CO (PPM)	2.00	NA	2.00	5.21
CMP	8	Episode Day 3, 2006	11	CO (PPM)	2.11	NA	2.11	5.56
CMP	8	Episode Day 3, 2006	12	CO (PPM)	2.32	NA	2.32	5.74
CMP	8	Episode Day 3, 2006	13	CO (PPM)	2.52	NA	2.52	5.69
CMP	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	5.35
CMP	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	4.64
CMP	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	4.56
CMP	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	5.28
CMP	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	5.30
CMP	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	5.34
CMP	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	5.69
CMP	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	5.94
CMP	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	6.00
CMP	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	6.11
WBY	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	2.14
WBY	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.48
WBY	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.23
WBY	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.16
WBY	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	0.85
WBY	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	0.75
WBY	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.69
WBY	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.94
WBY	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	2.41
WBY	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	2.61
WBY	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	2.76
WBY	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	2.95
WBY	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	3.39
WBY	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	3.28
WBY	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	2.88
WBY	8	Episode Day 2, 2006	3	CO (PPM)	1.31	NA	1.31	2.70
WBY	8	Episode Day 2, 2006	4	CO (PPM)	1.25	NA	1.25	2.30
WBY	8	Episode Day 2, 2006	5	CO (PPM)	1.20	NA	1.20	2.21
WBY	8	Episode Day 2, 2006	6	CO (PPM)	1.17	NA	1.17	2.24
WBY	8	Episode Day 2, 2006	7	CO (PPM)	1.19	NA	1.19	2.71
WBY	8	Episode Day 2, 2006	8	CO (PPM)	1.13	NA	1.13	3.04
WBY	8	Episode Day 2, 2006	9	CO (PPM)	1.07	NA	1.07	3.22
WBY	8	Episode Day 2, 2006	10	CO (PPM)	1.04	NA	1.04	3.26
WBY	8	Episode Day 2, 2006	11	CO (PPM)	1.01	NA	1.01	3.24
WBY	8	Episode Day 2, 2006	12	CO (PPM)	0.99	NA	0.99	3.17
WBY	8	Episode Day 2, 2006	13	CO (PPM)	0.96	NA	0.96	3.11
WBY	8	Episode Day 2, 2006	14	CO (PPM)	0.92	NA	0.92	3.02
WBY	8	Episode Day 2, 2006	15	CO (PPM)	0.83	NA	0.83	2.46
WBY	8	Episode Day 2, 2006	16	CO (PPM)	0.90	NA	0.90	1.92
WBY	8	Episode Day 2, 2006	17	CO (PPM)	1.11	NA	1.11	2.50
WBY	8	Episode Day 2, 2006	18	CO (PPM)	1.43	NA	1.43	3.86
WBY	8	Episode Day 2, 2006	19	CO (PPM)	1.66	NA	1.66	4.86
WBY	8	Episode Day 2, 2006	20	CO (PPM)	2.03	NA	2.03	5.71
WBY	8	Episode Day 2, 2006	21	CO (PPM)	2.58	NA	2.58	6.39
WBY	8	Episode Day 2, 2006	22	CO (PPM)	3.14	NA	3.14	7.17
WBY	8	Episode Day 2, 2006	23	CO (PPM)	3.68	NA	3.68	8.09
WBY	8	Episode Day 3, 2006	0	CO (PPM)	4.05	NA	4.05	8.94
WBY	8	Episode Day 3, 2006	1	CO (PPM)	4.05	NA	4.05	8.66
WBY	8	Episode Day 3, 2006	2	CO (PPM)	3.76	NA	3.76	7.36
WBY	8	Episode Day 3, 2006	3	CO (PPM)	3.52	NA	3.52	6.40
WBY	8	Episode Day 3, 2006	4	CO (PPM)	3.14	NA	3.14	5.64
WBY	8	Episode Day 3, 2006	5	CO (PPM)	2.60	NA	2.60	5.06
WBY	8	Episode Day 3, 2006	6	CO (PPM)	2.06	NA	2.06	4.50

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
WBY	8	Episode Day 3, 2006	7	CO (PPM)	1.55	NA	1.55	3.79
WBY	8	Episode Day 3, 2006	8	CO (PPM)	1.12	NA	1.12	2.99
WBY	8	Episode Day 3, 2006	9	CO (PPM)	0.94	NA	0.94	2.46
WBY	8	Episode Day 3, 2006	10	CO (PPM)	0.92	NA	0.92	2.41
WBY	8	Episode Day 3, 2006	11	CO (PPM)	0.93	NA	0.93	2.26
WBY	8	Episode Day 3, 2006	12	CO (PPM)	0.98	NA	0.98	2.09
WBY	8	Episode Day 3, 2006	13	CO (PPM)	1.02	NA	1.02	1.89
WBY	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.53
WBY	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.17
WBY	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.13
WBY	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	0.88
WBY	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	0.70
WBY	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	3.08
WBY	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	3.59
CRG	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.91
CRG	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	2.54
CRG	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	2.14
CRG	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.85
CRG	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.55
CRG	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.51
CRG	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.45
CRG	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.10
CRG	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.19
CRG	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.86
CRG	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.77
CRG	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	4.16
CRG	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	4.51
CRG	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	4.94
CRG	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	5.37
CRG	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	5.11
CRG	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	5.28
CRG	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	5.14
CRG	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	4.58
CRG	8	Episode Day 2, 2006	3	CO (PPM)	1.73	NA	1.73	3.54
CRG	8	Episode Day 2, 2006	4	CO (PPM)	1.57	NA	1.57	3.43
CRG	8	Episode Day 2, 2006	5	CO (PPM)	1.45	NA	1.45	3.34
CRG	8	Episode Day 2, 2006	6	CO (PPM)	1.34	NA	1.34	3.63
CRG	8	Episode Day 2, 2006	7	CO (PPM)	1.32	NA	1.32	4.48
CRG	8	Episode Day 2, 2006	8	CO (PPM)	1.18	NA	1.18	5.33
CRG	8	Episode Day 2, 2006	9	CO (PPM)	1.01	NA	1.01	5.21
CRG	8	Episode Day 2, 2006	10	CO (PPM)	0.93	NA	0.93	5.01
CRG	8	Episode Day 2, 2006	11	CO (PPM)	0.93	NA	0.93	4.85
CRG	8	Episode Day 2, 2006	12	CO (PPM)	0.99	NA	0.99	4.71
CRG	8	Episode Day 2, 2006	13	CO (PPM)	1.06	NA	1.06	4.54
CRG	8	Episode Day 2, 2006	14	CO (PPM)	1.13	NA	1.13	4.01
CRG	8	Episode Day 2, 2006	15	CO (PPM)	1.13	NA	1.13	2.85
CRG	8	Episode Day 2, 2006	16	CO (PPM)	1.49	NA	1.49	2.34
CRG	8	Episode Day 2, 2006	17	CO (PPM)	2.02	NA	2.02	3.03
CRG	8	Episode Day 2, 2006	18	CO (PPM)	2.60	NA	2.60	4.50
CRG	8	Episode Day 2, 2006	19	CO (PPM)	3.15	NA	3.15	6.39
CRG	8	Episode Day 2, 2006	20	CO (PPM)	3.57	NA	3.57	7.80
CRG	8	Episode Day 2, 2006	21	CO (PPM)	3.85	NA	3.85	8.52
CRG	8	Episode Day 2, 2006	22	CO (PPM)	4.02	NA	4.02	8.94
CRG	8	Episode Day 2, 2006	23	CO (PPM)	4.05	NA	4.05	9.91
CRG	8	Episode Day 3, 2006	0	CO (PPM)	3.76	NA	3.76	10.38
CRG	8	Episode Day 3, 2006	1	CO (PPM)	3.30	NA	3.30	9.73
CRG	8	Episode Day 3, 2006	2	CO (PPM)	2.76	NA	2.76	8.69
CRG	8	Episode Day 3, 2006	3	CO (PPM)	2.19	NA	2.19	7.14
CRG	8	Episode Day 3, 2006	4	CO (PPM)	1.71	NA	1.71	5.78
CRG	8	Episode Day 3, 2006	5	CO (PPM)	1.38	NA	1.38	5.26
CRG	8	Episode Day 3, 2006	6	CO (PPM)	1.21	NA	1.21	5.04
CRG	8	Episode Day 3, 2006	7	CO (PPM)	1.30	NA	1.30	4.73
CRG	8	Episode Day 3, 2006	8	CO (PPM)	1.27	NA	1.27	4.10
CRG	8	Episode Day 3, 2006	9	CO (PPM)	1.24	NA	1.24	4.08

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	8	Episode Day 3, 2006	10	CO (PPM)	1.22	NA	1.22	3.59
CRG	8	Episode Day 3, 2006	11	CO (PPM)	1.24	NA	1.24	3.54
CRG	8	Episode Day 3, 2006	12	CO (PPM)	1.34	NA	1.34	3.37
CRG	8	Episode Day 3, 2006	13	CO (PPM)	1.44	NA	1.44	3.00
CRG	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	2.60
CRG	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.74
CRG	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.71
CRG	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.86
CRG	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	4.05
CRG	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	5.23
CRG	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	6.16
CRG	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	7.05
CRG	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	8.00
NJH	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.08
NJH	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	2.04
NJH	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	2.13
NJH	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	2.25
NJH	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	2.10
NJH	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.98
NJH	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.74
NJH	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.49
NJH	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.60
NJH	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	2.43
NJH	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.66
NJH	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	2.85
NJH	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	3.08
NJH	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	3.28
NJH	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	3.58
NJH	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	3.50
NJH	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	2.56
NJH	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 2, 2006	3	CO (PPM)	0.89	NA	0.89	1.96
NJH	8	Episode Day 2, 2006	4	CO (PPM)	0.84	NA	0.84	1.73
NJH	8	Episode Day 2, 2006	5	CO (PPM)	0.79	NA	0.79	1.60
NJH	8	Episode Day 2, 2006	6	CO (PPM)	0.74	NA	0.74	1.71
NJH	8	Episode Day 2, 2006	7	CO (PPM)	0.83	NA	0.83	2.26
NJH	8	Episode Day 2, 2006	8	CO (PPM)	0.85	NA	0.85	2.74
NJH	8	Episode Day 2, 2006	9	CO (PPM)	0.89	NA	0.89	2.97
NJH	8	Episode Day 2, 2006	10	CO (PPM)	0.91	NA	0.91	3.17
NJH	8	Episode Day 2, 2006	11	CO (PPM)	0.93	NA	0.93	3.29
NJH	8	Episode Day 2, 2006	12	CO (PPM)	0.96	NA	0.96	3.42
NJH	8	Episode Day 2, 2006	13	CO (PPM)	0.99	NA	0.99	3.56
NJH	8	Episode Day 2, 2006	14	CO (PPM)	1.04	NA	1.04	3.55
NJH	8	Episode Day 2, 2006	15	CO (PPM)	1.00	NA	1.00	3.32
NJH	8	Episode Day 2, 2006	16	CO (PPM)	1.27	NA	1.27	5.03
NJH	8	Episode Day 2, 2006	17	CO (PPM)	1.74	NA	1.74	7.49
NJH	8	Episode Day 2, 2006	18	CO (PPM)	2.34	NA	2.34	9.60
NJH	8	Episode Day 2, 2006	19	CO (PPM)	3.09	NA	3.09	10.43
NJH	8	Episode Day 2, 2006	20	CO (PPM)	3.36	NA	3.36	10.95
NJH	8	Episode Day 2, 2006	21	CO (PPM)	3.44	NA	3.44	11.16
NJH	8	Episode Day 2, 2006	22	CO (PPM)	3.48	NA	3.48	11.27
NJH	8	Episode Day 2, 2006	23	CO (PPM)	3.41	NA	3.41	11.10
NJH	8	Episode Day 3, 2006	0	CO (PPM)	3.06	NA	3.06	8.92
NJH	8	Episode Day 3, 2006	1	CO (PPM)	2.55	NA	2.55	6.21
NJH	8	Episode Day 3, 2006	2	CO (PPM)	1.93	NA	1.93	3.91
NJH	8	Episode Day 3, 2006	3	CO (PPM)	1.14	NA	1.14	2.94
NJH	8	Episode Day 3, 2006	4	CO (PPM)	0.83	NA	0.83	2.25
NJH	8	Episode Day 3, 2006	5	CO (PPM)	0.72	NA	0.72	1.90
NJH	8	Episode Day 3, 2006	6	CO (PPM)	0.64	NA	0.64	1.75
NJH	8	Episode Day 3, 2006	7	CO (PPM)	0.76	NA	0.76	2.22
NJH	8	Episode Day 3, 2006	8	CO (PPM)	0.83	NA	0.83	2.65
NJH	8	Episode Day 3, 2006	9	CO (PPM)	0.89	NA	0.89	3.11
NJH	8	Episode Day 3, 2006	10	CO (PPM)	0.94	NA	0.94	3.40
NJH	8	Episode Day 3, 2006	11	CO (PPM)	1.00	NA	1.00	3.46
NJH	8	Episode Day 3, 2006	12	CO (PPM)	1.09	NA	1.09	3.51

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	8	Episode Day 3, 2006	13	CO (PPM)	1.20	NA	1.20	3.79
NJH	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	2.57
NJH	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	2.39
NJH	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	2.63
NJH	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.84
NJH	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	3.64
NJH	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	4.27
NJH	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	4.24
NJH	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	4.61
NJH	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	4.81
TIV	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2006	3	CO (PPM)	1.40	NA	1.40	-9.00
TIV	8	Episode Day 2, 2006	4	CO (PPM)	1.29	NA	1.29	-9.00
TIV	8	Episode Day 2, 2006	5	CO (PPM)	1.21	NA	1.21	-9.00
TIV	8	Episode Day 2, 2006	6	CO (PPM)	1.14	NA	1.14	-9.00
TIV	8	Episode Day 2, 2006	7	CO (PPM)	1.25	NA	1.25	-9.00
TIV	8	Episode Day 2, 2006	8	CO (PPM)	1.17	NA	1.17	-9.00
TIV	8	Episode Day 2, 2006	9	CO (PPM)	1.08	NA	1.08	-9.00
TIV	8	Episode Day 2, 2006	10	CO (PPM)	1.08	NA	1.08	-9.00
TIV	8	Episode Day 2, 2006	11	CO (PPM)	1.14	NA	1.14	-9.00
TIV	8	Episode Day 2, 2006	12	CO (PPM)	1.24	NA	1.24	-9.00
TIV	8	Episode Day 2, 2006	13	CO (PPM)	1.35	NA	1.35	-9.00
TIV	8	Episode Day 2, 2006	14	CO (PPM)	1.46	NA	1.46	-9.00
TIV	8	Episode Day 2, 2006	15	CO (PPM)	1.48	NA	1.48	-9.00
TIV	8	Episode Day 2, 2006	16	CO (PPM)	2.34	NA	2.34	-9.00
TIV	8	Episode Day 2, 2006	17	CO (PPM)	3.88	NA	3.88	-9.00
TIV	8	Episode Day 2, 2006	18	CO (PPM)	5.49	NA	5.49	-9.00
TIV	8	Episode Day 2, 2006	19	CO (PPM)	6.39	NA	6.39	-9.00
TIV	8	Episode Day 2, 2006	20	CO (PPM)	6.70	NA	6.70	-9.00
TIV	8	Episode Day 2, 2006	21	CO (PPM)	6.88	NA	6.88	-9.00
TIV	8	Episode Day 2, 2006	22	CO (PPM)	7.02	NA	7.02	-9.00
TIV	8	Episode Day 2, 2006	23	CO (PPM)	7.01	NA	7.01	-9.00
TIV	8	Episode Day 3, 2006	0	CO (PPM)	6.23	NA	6.23	-9.00
TIV	8	Episode Day 3, 2006	1	CO (PPM)	4.74	NA	4.74	-9.00
TIV	8	Episode Day 3, 2006	2	CO (PPM)	3.15	NA	3.15	-9.00
TIV	8	Episode Day 3, 2006	3	CO (PPM)	2.19	NA	2.19	-9.00
TIV	8	Episode Day 3, 2006	4	CO (PPM)	1.77	NA	1.77	-9.00
TIV	8	Episode Day 3, 2006	5	CO (PPM)	1.53	NA	1.53	-9.00
TIV	8	Episode Day 3, 2006	6	CO (PPM)	1.45	NA	1.45	-9.00
TIV	8	Episode Day 3, 2006	7	CO (PPM)	1.71	NA	1.71	-9.00
TIV	8	Episode Day 3, 2006	8	CO (PPM)	1.77	NA	1.77	-9.00
TIV	8	Episode Day 3, 2006	9	CO (PPM)	1.87	NA	1.87	-9.00
TIV	8	Episode Day 3, 2006	10	CO (PPM)	1.93	NA	1.93	-9.00
TIV	8	Episode Day 3, 2006	11	CO (PPM)	2.00	NA	2.00	-9.00
TIV	8	Episode Day 3, 2006	12	CO (PPM)	2.20	NA	2.20	-9.00
TIV	8	Episode Day 3, 2006	13	CO (PPM)	2.38	NA	2.38	-9.00
TIV	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2006	3	CO (PPM)	1.43	NA	1.43	-9.00
ICMP	8	Episode Day 2, 2006	4	CO (PPM)	1.33	NA	1.33	-9.00
ICMP	8	Episode Day 2, 2006	5	CO (PPM)	1.26	NA	1.26	-9.00
ICMP	8	Episode Day 2, 2006	6	CO (PPM)	1.21	NA	1.21	-9.00
ICMP	8	Episode Day 2, 2006	7	CO (PPM)	1.34	NA	1.34	-9.00
ICMP	8	Episode Day 2, 2006	8	CO (PPM)	1.28	NA	1.28	-9.00
ICMP	8	Episode Day 2, 2006	9	CO (PPM)	1.21	NA	1.21	-9.00
ICMP	8	Episode Day 2, 2006	10	CO (PPM)	1.22	NA	1.22	-9.00
ICMP	8	Episode Day 2, 2006	11	CO (PPM)	1.27	NA	1.27	-9.00
ICMP	8	Episode Day 2, 2006	12	CO (PPM)	1.34	NA	1.34	-9.00
ICMP	8	Episode Day 2, 2006	13	CO (PPM)	1.42	NA	1.42	-9.00
ICMP	8	Episode Day 2, 2006	14	CO (PPM)	1.54	NA	1.74	-9.00
ICMP	8	Episode Day 2, 2006	15	CO (PPM)	1.54	NA	1.92	-9.00
ICMP	8	Episode Day 2, 2006	16	CO (PPM)	2.37	NA	3.09	-9.00
ICMP	8	Episode Day 2, 2006	17	CO (PPM)	3.85	NA	4.90	-9.00
ICMP	8	Episode Day 2, 2006	18	CO (PPM)	5.48	NA	6.66	-9.00
ICMP	8	Episode Day 2, 2006	19	CO (PPM)	6.71	NA	7.93	-9.00
ICMP	8	Episode Day 2, 2006	20	CO (PPM)	7.12	NA	8.39	-9.00
ICMP	8	Episode Day 2, 2006	21	CO (PPM)	7.37	NA	8.64	-9.00
ICMP	8	Episode Day 2, 2006	22	CO (PPM)	7.59	NA	8.71	-9.00
ICMP	8	Episode Day 2, 2006	23	CO (PPM)	7.64	NA	8.61	-9.00
ICMP	8	Episode Day 3, 2006	0	CO (PPM)	6.90	NA	7.52	-9.00
ICMP	8	Episode Day 3, 2006	1	CO (PPM)	5.48	NA	5.77	-9.00
ICMP	8	Episode Day 3, 2006	2	CO (PPM)	3.85	NA	4.01	-9.00
ICMP	8	Episode Day 3, 2006	3	CO (PPM)	2.55	NA	2.66	-9.00
ICMP	8	Episode Day 3, 2006	4	CO (PPM)	2.05	NA	2.12	-9.00
ICMP	8	Episode Day 3, 2006	5	CO (PPM)	1.76	NA	1.84	-9.00
ICMP	8	Episode Day 3, 2006	6	CO (PPM)	1.58	NA	1.60	-9.00
ICMP	8	Episode Day 3, 2006	7	CO (PPM)	1.73	NA	1.73	-9.00
ICMP	8	Episode Day 3, 2006	8	CO (PPM)	1.75	NA	1.75	-9.00
ICMP	8	Episode Day 3, 2006	9	CO (PPM)	1.85	NA	1.85	-9.00
ICMP	8	Episode Day 3, 2006	10	CO (PPM)	2.00	NA	2.00	-9.00
ICMP	8	Episode Day 3, 2006	11	CO (PPM)	2.11	NA	2.11	-9.00
ICMP	8	Episode Day 3, 2006	12	CO (PPM)	2.32	NA	2.32	-9.00
ICMP	8	Episode Day 3, 2006	13	CO (PPM)	2.52	NA	2.52	-9.00
ICMP	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ENG	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	1.50
ENG	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.46
ENG	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.32
ENG	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.19
ENG	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.05
ENG	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	0.90
ENG	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	0.76
ENG	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	0.79
ENG	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.21
ENG	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.42
ENG	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.52
ENG	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	1.60
ENG	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	1.67
ENG	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	1.80
ENG	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	1.86
ENG	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	1.76
ENG	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	1.06
ENG	8	Episode Day 2, 2006	3	CO (PPM)	0.41	NA	0.41	0.96
ENG	8	Episode Day 2, 2006	4	CO (PPM)	0.39	NA	0.39	0.88
ENG	8	Episode Day 2, 2006	5	CO (PPM)	0.38	NA	0.38	0.88
ENG	8	Episode Day 2, 2006	6	CO (PPM)	0.35	NA	0.35	0.96
ENG	8	Episode Day 2, 2006	7	CO (PPM)	0.42	NA	0.42	1.40
ENG	8	Episode Day 2, 2006	8	CO (PPM)	0.45	NA	0.45	1.82
ENG	8	Episode Day 2, 2006	9	CO (PPM)	0.46	NA	0.46	1.89
ENG	8	Episode Day 2, 2006	10	CO (PPM)	0.46	NA	0.46	1.91
ENG	8	Episode Day 2, 2006	11	CO (PPM)	0.47	NA	0.47	1.94
ENG	8	Episode Day 2, 2006	12	CO (PPM)	0.50	NA	0.50	1.97
ENG	8	Episode Day 2, 2006	13	CO (PPM)	0.54	NA	0.54	1.96
ENG	8	Episode Day 2, 2006	14	CO (PPM)	0.59	NA	0.59	1.85
ENG	8	Episode Day 2, 2006	15	CO (PPM)	0.65	NA	0.65	1.63
ENG	8	Episode Day 2, 2006	16	CO (PPM)	1.06	NA	1.06	1.89
ENG	8	Episode Day 2, 2006	17	CO (PPM)	1.49	NA	1.49	2.91
ENG	8	Episode Day 2, 2006	18	CO (PPM)	1.63	NA	1.63	3.22
ENG	8	Episode Day 2, 2006	19	CO (PPM)	1.67	NA	1.67	3.38
ENG	8	Episode Day 2, 2006	20	CO (PPM)	1.66	NA	1.66	3.47
ENG	8	Episode Day 2, 2006	21	CO (PPM)	1.64	NA	1.64	3.56
ENG	8	Episode Day 2, 2006	22	CO (PPM)	1.59	NA	1.59	3.66
ENG	8	Episode Day 2, 2006	23	CO (PPM)	1.45	NA	1.45	3.50
ENG	8	Episode Day 3, 2006	0	CO (PPM)	1.01	NA	1.01	2.91
ENG	8	Episode Day 3, 2006	1	CO (PPM)	0.58	NA	0.58	1.86
ENG	8	Episode Day 3, 2006	2	CO (PPM)	0.44	NA	0.44	1.54
ENG	8	Episode Day 3, 2006	3	CO (PPM)	0.38	NA	0.38	1.36
ENG	8	Episode Day 3, 2006	4	CO (PPM)	0.36	NA	0.36	1.22
ENG	8	Episode Day 3, 2006	5	CO (PPM)	0.34	NA	0.34	1.09
ENG	8	Episode Day 3, 2006	6	CO (PPM)	0.33	NA	0.33	1.02
ENG	8	Episode Day 3, 2006	7	CO (PPM)	0.44	NA	0.44	1.26
ENG	8	Episode Day 3, 2006	8	CO (PPM)	0.47	NA	0.47	1.23
ENG	8	Episode Day 3, 2006	9	CO (PPM)	0.50	NA	0.50	1.49
ENG	8	Episode Day 3, 2006	10	CO (PPM)	0.54	NA	0.54	1.69
ENG	8	Episode Day 3, 2006	11	CO (PPM)	0.60	NA	0.60	1.70
ENG	8	Episode Day 3, 2006	12	CO (PPM)	0.64	NA	0.64	1.71
ENG	8	Episode Day 3, 2006	13	CO (PPM)	0.70	NA	0.70	1.70
ENG	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.53
ENG	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.11
ENG	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.17
ENG	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.59
ENG	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.89
ENG	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	2.07
ENG	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	2.17

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ENG	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	2.24
ENG	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	2.35
BOU	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	0.68
BOU	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	0.85
BOU	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	1.19
BOU	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.43
BOU	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.39
BOU	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.28
BOU	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	0.99
BOU	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	0.83
BOU	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	0.70
BOU	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	0.61
BOU	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	0.54
BOU	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	0.46
BOU	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	0.34
BOU	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	0.21
BOU	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	0.19
BOU	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	0.16
BOU	8	Episode Day 2, 2006	3	CO (PPM)	0.39	NA	0.39	0.16
BOU	8	Episode Day 2, 2006	4	CO (PPM)	0.37	NA	0.37	0.20
BOU	8	Episode Day 2, 2006	5	CO (PPM)	0.36	NA	0.36	0.28
BOU	8	Episode Day 2, 2006	6	CO (PPM)	0.30	NA	0.30	0.40
BOU	8	Episode Day 2, 2006	7	CO (PPM)	0.36	NA	0.36	0.66
BOU	8	Episode Day 2, 2006	8	CO (PPM)	0.38	NA	0.38	0.91
BOU	8	Episode Day 2, 2006	9	CO (PPM)	0.41	NA	0.41	1.41
BOU	8	Episode Day 2, 2006	10	CO (PPM)	0.47	NA	0.47	1.76
BOU	8	Episode Day 2, 2006	11	CO (PPM)	0.52	NA	0.52	1.91
BOU	8	Episode Day 2, 2006	12	CO (PPM)	0.57	NA	0.57	2.05
BOU	8	Episode Day 2, 2006	13	CO (PPM)	0.60	NA	0.60	2.13
BOU	8	Episode Day 2, 2006	14	CO (PPM)	0.63	NA	0.63	2.13
BOU	8	Episode Day 2, 2006	15	CO (PPM)	0.71	NA	0.71	2.04
BOU	8	Episode Day 2, 2006	16	CO (PPM)	0.80	NA	0.80	2.01
BOU	8	Episode Day 2, 2006	17	CO (PPM)	0.82	NA	0.82	1.65
BOU	8	Episode Day 2, 2006	18	CO (PPM)	0.80	NA	0.80	1.42
BOU	8	Episode Day 2, 2006	19	CO (PPM)	0.79	NA	0.79	2.07
BOU	8	Episode Day 2, 2006	20	CO (PPM)	0.76	NA	0.76	2.10
BOU	8	Episode Day 2, 2006	21	CO (PPM)	0.73	NA	0.73	2.11
BOU	8	Episode Day 2, 2006	22	CO (PPM)	0.67	NA	0.67	2.06
BOU	8	Episode Day 2, 2006	23	CO (PPM)	0.52	NA	0.52	1.88
BOU	8	Episode Day 3, 2006	0	CO (PPM)	0.41	NA	0.41	1.63
BOU	8	Episode Day 3, 2006	1	CO (PPM)	0.36	NA	0.36	1.46
BOU	8	Episode Day 3, 2006	2	CO (PPM)	0.32	NA	0.32	1.32
BOU	8	Episode Day 3, 2006	3	CO (PPM)	0.29	NA	0.29	0.51
BOU	8	Episode Day 3, 2006	4	CO (PPM)	0.27	NA	0.27	0.32
BOU	8	Episode Day 3, 2006	5	CO (PPM)	0.25	NA	0.25	0.21
BOU	8	Episode Day 3, 2006	6	CO (PPM)	0.27	NA	0.27	0.21
BOU	8	Episode Day 3, 2006	7	CO (PPM)	0.36	NA	0.36	0.66
BOU	8	Episode Day 3, 2006	8	CO (PPM)	0.38	NA	0.38	0.95
BOU	8	Episode Day 3, 2006	9	CO (PPM)	0.40	NA	0.40	1.31
BOU	8	Episode Day 3, 2006	10	CO (PPM)	0.41	NA	0.41	1.40
BOU	8	Episode Day 3, 2006	11	CO (PPM)	0.43	NA	0.43	1.51
BOU	8	Episode Day 3, 2006	12	CO (PPM)	0.45	NA	0.45	1.61
BOU	8	Episode Day 3, 2006	13	CO (PPM)	0.49	NA	0.49	1.72
BOU	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.75
BOU	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.49
BOU	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.32
BOU	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	1.27
BOU	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	1.26
BOU	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	1.26
GRDS	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	3.13
GRDS	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	2.35
GRDS	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	2.04
GRDS	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	1.87
GRDS	8	Episode Day 2, 2006	3	CO (PPM)	0.46	NA	0.46	1.74
GRDS	8	Episode Day 2, 2006	4	CO (PPM)	0.43	NA	0.43	1.62
GRDS	8	Episode Day 2, 2006	5	CO (PPM)	0.42	NA	0.42	1.56
GRDS	8	Episode Day 2, 2006	6	CO (PPM)	0.33	NA	0.33	1.72
GRDS	8	Episode Day 2, 2006	7	CO (PPM)	0.41	NA	0.41	3.39
GRDS	8	Episode Day 2, 2006	8	CO (PPM)	0.44	NA	0.44	5.36
GRDS	8	Episode Day 2, 2006	9	CO (PPM)	0.49	NA	0.49	6.06
GRDS	8	Episode Day 2, 2006	10	CO (PPM)	0.55	NA	0.55	6.22
GRDS	8	Episode Day 2, 2006	11	CO (PPM)	0.61	NA	0.61	6.34
GRDS	8	Episode Day 2, 2006	12	CO (PPM)	0.66	NA	0.66	6.42
GRDS	8	Episode Day 2, 2006	13	CO (PPM)	0.69	NA	0.69	7.13
GRDS	8	Episode Day 2, 2006	14	CO (PPM)	0.72	NA	0.72	6.71
GRDS	8	Episode Day 2, 2006	15	CO (PPM)	0.77	NA	0.77	4.89
GRDS	8	Episode Day 2, 2006	16	CO (PPM)	0.90	NA	0.90	3.19
GRDS	8	Episode Day 2, 2006	17	CO (PPM)	0.93	NA	0.93	3.74
GRDS	8	Episode Day 2, 2006	18	CO (PPM)	0.91	NA	0.91	5.34
GRDS	8	Episode Day 2, 2006	19	CO (PPM)	0.90	NA	0.90	7.09
GRDS	8	Episode Day 2, 2006	20	CO (PPM)	0.88	NA	0.88	8.34
GRDS	8	Episode Day 2, 2006	21	CO (PPM)	0.86	NA	0.86	8.21
GRDS	8	Episode Day 2, 2006	22	CO (PPM)	0.80	NA	0.80	8.32
GRDS	8	Episode Day 2, 2006	23	CO (PPM)	0.64	NA	0.64	8.18
GRDS	8	Episode Day 3, 2006	0	CO (PPM)	0.48	NA	0.48	7.71
GRDS	8	Episode Day 3, 2006	1	CO (PPM)	0.40	NA	0.40	6.46
GRDS	8	Episode Day 3, 2006	2	CO (PPM)	0.36	NA	0.36	4.81
GRDS	8	Episode Day 3, 2006	3	CO (PPM)	0.31	NA	0.31	3.06
GRDS	8	Episode Day 3, 2006	4	CO (PPM)	0.28	NA	0.28	1.74
GRDS	8	Episode Day 3, 2006	5	CO (PPM)	0.26	NA	0.26	0.95
GRDS	8	Episode Day 3, 2006	6	CO (PPM)	0.27	NA	0.27	0.79
GRDS	8	Episode Day 3, 2006	7	CO (PPM)	0.37	NA	0.37	1.62
GRDS	8	Episode Day 3, 2006	8	CO (PPM)	0.41	NA	0.41	2.50
GRDS	8	Episode Day 3, 2006	9	CO (PPM)	0.44	NA	0.44	3.00
GRDS	8	Episode Day 3, 2006	10	CO (PPM)	0.45	NA	0.45	3.13
GRDS	8	Episode Day 3, 2006	11	CO (PPM)	0.46	NA	0.46	3.25
GRDS	8	Episode Day 3, 2006	12	CO (PPM)	0.49	NA	0.49	3.38
GRDS	8	Episode Day 3, 2006	13	CO (PPM)	0.54	NA	0.54	3.50
GRDS	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	3.38
GRDS	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	2.88
GRDS	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	3.88
GRDS	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	4.50
GRDS	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	4.88
GRDS	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	5.25
ARV	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	2.01
ARV	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	2.20
ARV	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	2.04
ARV	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.94
ARV	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.58
ARV	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.80
ARV	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	2.30
ARV	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	2.68
ARV	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	3.36
ARV	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	3.91
ARV	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	4.05
ARV	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	3.99
ARV	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	3.68
ARV	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	3.40
ARV	8	Episode Day 2, 2006	3	CO (PPM)	1.43	NA	1.43	3.09
ARV	8	Episode Day 2, 2006	4	CO (PPM)	1.28	NA	1.28	2.68
ARV	8	Episode Day 2, 2006	5	CO (PPM)	1.16	NA	1.16	2.09
ARV	8	Episode Day 2, 2006	6	CO (PPM)	0.88	NA	0.88	1.89
ARV	8	Episode Day 2, 2006	7	CO (PPM)	0.68	NA	0.68	2.79
ARV	8	Episode Day 2, 2006	8	CO (PPM)	0.61	NA	0.61	3.95
ARV	8	Episode Day 2, 2006	9	CO (PPM)	0.62	NA	0.62	4.61
ARV	8	Episode Day 2, 2006	10	CO (PPM)	0.60	NA	0.60	4.98
ARV	8	Episode Day 2, 2006	11	CO (PPM)	0.63	NA	0.63	5.08
ARV	8	Episode Day 2, 2006	12	CO (PPM)	0.70	NA	0.70	5.14
ARV	8	Episode Day 2, 2006	13	CO (PPM)	0.79	NA	0.79	5.11
ARV	8	Episode Day 2, 2006	14	CO (PPM)	0.88	NA	0.88	4.85
ARV	8	Episode Day 2, 2006	15	CO (PPM)	0.97	NA	0.97	3.98
ARV	8	Episode Day 2, 2006	16	CO (PPM)	1.27	NA	1.27	3.25
ARV	8	Episode Day 2, 2006	17	CO (PPM)	1.46	NA	1.46	3.21
ARV	8	Episode Day 2, 2006	18	CO (PPM)	1.50	NA	1.50	3.44
ARV	8	Episode Day 2, 2006	19	CO (PPM)	1.46	NA	1.46	3.91
ARV	8	Episode Day 2, 2006	20	CO (PPM)	1.40	NA	1.40	4.34
ARV	8	Episode Day 2, 2006	21	CO (PPM)	1.33	NA	1.33	4.65
ARV	8	Episode Day 2, 2006	22	CO (PPM)	1.24	NA	1.24	4.84
ARV	8	Episode Day 2, 2006	23	CO (PPM)	1.09	NA	1.09	4.80
ARV	8	Episode Day 3, 2006	0	CO (PPM)	0.76	NA	0.76	4.34
ARV	8	Episode Day 3, 2006	1	CO (PPM)	0.51	NA	0.51	3.70
ARV	8	Episode Day 3, 2006	2	CO (PPM)	0.42	NA	0.42	3.06
ARV	8	Episode Day 3, 2006	3	CO (PPM)	0.38	NA	0.38	2.43
ARV	8	Episode Day 3, 2006	4	CO (PPM)	0.35	NA	0.35	1.86
ARV	8	Episode Day 3, 2006	5	CO (PPM)	0.33	NA	0.33	1.49
ARV	8	Episode Day 3, 2006	6	CO (PPM)	0.34	NA	0.34	1.45
ARV	8	Episode Day 3, 2006	7	CO (PPM)	0.47	NA	0.47	2.19
ARV	8	Episode Day 3, 2006	8	CO (PPM)	0.52	NA	0.52	2.91
ARV	8	Episode Day 3, 2006	9	CO (PPM)	0.58	NA	0.58	3.33
ARV	8	Episode Day 3, 2006	10	CO (PPM)	0.63	NA	0.63	3.64
ARV	8	Episode Day 3, 2006	11	CO (PPM)	0.69	NA	0.69	3.66
ARV	8	Episode Day 3, 2006	12	CO (PPM)	0.75	NA	0.75	3.71
ARV	8	Episode Day 3, 2006	13	CO (PPM)	0.83	NA	0.83	3.70
ARV	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	3.41
ARV	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	2.39
ARV	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.69
ARV	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	2.25
ARV	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	2.72
ARV	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	3.09
ARV	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	3.46
ARV	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	3.89
ARV	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	4.01
HLD	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	0.75
HLD	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	0.71
HLD	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	0.66
HLD	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	0.57
HLD	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	0.52
HLD	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	0.37
HLD	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	0.11
HLD	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	0.14
HLD	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	0.16
HLD	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	0.24
HLD	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	0.26
HLD	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	0.30
HLD	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	0.31
HLD	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	0.27
HLD	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	0.25
HLD	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 2, 2006	3	CO (PPM)	0.23	NA	0.23	0.20
HLD	8	Episode Day 2, 2006	4	CO (PPM)	0.23	NA	0.23	0.19
HLD	8	Episode Day 2, 2006	5	CO (PPM)	0.23	NA	0.23	0.17
HLD	8	Episode Day 2, 2006	6	CO (PPM)	0.23	NA	0.23	0.15
HLD	8	Episode Day 2, 2006	7	CO (PPM)	0.25	NA	0.25	0.14
HLD	8	Episode Day 2, 2006	8	CO (PPM)	0.25	NA	0.25	0.11
HLD	8	Episode Day 2, 2006	9	CO (PPM)	0.26	NA	0.26	0.09
HLD	8	Episode Day 2, 2006	10	CO (PPM)	0.26	NA	0.26	0.07
HLD	8	Episode Day 2, 2006	11	CO (PPM)	0.26	NA	0.26	0.05
HLD	8	Episode Day 2, 2006	12	CO (PPM)	0.28	NA	0.28	0.04
HLD	8	Episode Day 2, 2006	13	CO (PPM)	0.31	NA	0.31	0.02
HLD	8	Episode Day 2, 2006	14	CO (PPM)	0.36	NA	0.36	0.01
HLD	8	Episode Day 2, 2006	15	CO (PPM)	0.44	NA	0.44	0.09
HLD	8	Episode Day 2, 2006	16	CO (PPM)	0.72	NA	0.72	0.59
HLD	8	Episode Day 2, 2006	17	CO (PPM)	1.09	NA	1.09	1.14
HLD	8	Episode Day 2, 2006	18	CO (PPM)	1.20	NA	1.20	1.34
HLD	8	Episode Day 2, 2006	19	CO (PPM)	1.21	NA	1.21	1.42
HLD	8	Episode Day 2, 2006	20	CO (PPM)	1.20	NA	1.20	1.49
HLD	8	Episode Day 2, 2006	21	CO (PPM)	1.18	NA	1.18	1.52
HLD	8	Episode Day 2, 2006	22	CO (PPM)	1.13	NA	1.13	1.56
HLD	8	Episode Day 2, 2006	23	CO (PPM)	1.03	NA	1.03	1.52
HLD	8	Episode Day 3, 2006	0	CO (PPM)	0.74	NA	0.74	1.07
HLD	8	Episode Day 3, 2006	1	CO (PPM)	0.38	NA	0.38	0.57
HLD	8	Episode Day 3, 2006	2	CO (PPM)	0.27	NA	0.27	0.44
HLD	8	Episode Day 3, 2006	3	CO (PPM)	0.25	NA	0.25	0.41
HLD	8	Episode Day 3, 2006	4	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2006	5	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2006	6	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2006	7	CO (PPM)	0.33	NA	0.33	0.59
HLD	8	Episode Day 3, 2006	8	CO (PPM)	0.38	NA	0.38	0.79
HLD	8	Episode Day 3, 2006	9	CO (PPM)	0.44	NA	0.44	0.87
HLD	8	Episode Day 3, 2006	10	CO (PPM)	0.47	NA	0.47	0.81
HLD	8	Episode Day 3, 2006	11	CO (PPM)	0.49	NA	0.49	0.75
HLD	8	Episode Day 3, 2006	12	CO (PPM)	0.53	NA	0.53	0.70
HLD	8	Episode Day 3, 2006	13	CO (PPM)	0.58	NA	0.58	0.66
HLD	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	0.39
HLD	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	0.17
HLD	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	0.20
HLD	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	0.32
HLD	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	0.36
HLD	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	0.41
HLD	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	0.64
AUR	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2006	3	CO (PPM)	0.56	NA	0.56	-9.00
AUR	8	Episode Day 2, 2006	4	CO (PPM)	0.53	NA	0.53	-9.00
AUR	8	Episode Day 2, 2006	5	CO (PPM)	0.51	NA	0.51	-9.00
AUR	8	Episode Day 2, 2006	6	CO (PPM)	0.48	NA	0.48	-9.00
AUR	8	Episode Day 2, 2006	7	CO (PPM)	0.54	NA	0.54	-9.00
AUR	8	Episode Day 2, 2006	8	CO (PPM)	0.57	NA	0.57	-9.00
AUR	8	Episode Day 2, 2006	9	CO (PPM)	0.60	NA	0.60	-9.00
AUR	8	Episode Day 2, 2006	10	CO (PPM)	0.60	NA	0.60	-9.00
AUR	8	Episode Day 2, 2006	11	CO (PPM)	0.62	NA	0.62	-9.00
AUR	8	Episode Day 2, 2006	12	CO (PPM)	0.63	NA	0.63	-9.00
AUR	8	Episode Day 2, 2006	13	CO (PPM)	0.65	NA	0.65	-9.00
AUR	8	Episode Day 2, 2006	14	CO (PPM)	0.68	NA	0.68	-9.00
AUR	8	Episode Day 2, 2006	15	CO (PPM)	0.68	NA	0.68	-9.00
AUR	8	Episode Day 2, 2006	16	CO (PPM)	0.87	NA	0.87	-9.00
AUR	8	Episode Day 2, 2006	17	CO (PPM)	1.17	NA	1.17	-9.00
AUR	8	Episode Day 2, 2006	18	CO (PPM)	1.54	NA	1.54	-9.00
AUR	8	Episode Day 2, 2006	19	CO (PPM)	2.02	NA	2.02	-9.00
AUR	8	Episode Day 2, 2006	20	CO (PPM)	2.47	NA	2.47	-9.00
AUR	8	Episode Day 2, 2006	21	CO (PPM)	2.56	NA	2.56	-9.00
AUR	8	Episode Day 2, 2006	22	CO (PPM)	2.59	NA	2.59	-9.00
AUR	8	Episode Day 2, 2006	23	CO (PPM)	2.52	NA	2.52	-9.00
AUR	8	Episode Day 3, 2006	0	CO (PPM)	2.28	NA	2.28	-9.00
AUR	8	Episode Day 3, 2006	1	CO (PPM)	1.94	NA	1.94	-9.00
AUR	8	Episode Day 3, 2006	2	CO (PPM)	1.56	NA	1.56	-9.00
AUR	8	Episode Day 3, 2006	3	CO (PPM)	1.07	NA	1.07	-9.00
AUR	8	Episode Day 3, 2006	4	CO (PPM)	0.59	NA	0.59	-9.00
AUR	8	Episode Day 3, 2006	5	CO (PPM)	0.47	NA	0.47	-9.00
AUR	8	Episode Day 3, 2006	6	CO (PPM)	0.41	NA	0.41	-9.00
AUR	8	Episode Day 3, 2006	7	CO (PPM)	0.46	NA	0.46	-9.00
AUR	8	Episode Day 3, 2006	8	CO (PPM)	0.48	NA	0.48	-9.00
AUR	8	Episode Day 3, 2006	9	CO (PPM)	0.51	NA	0.51	-9.00
AUR	8	Episode Day 3, 2006	10	CO (PPM)	0.54	NA	0.54	-9.00
AUR	8	Episode Day 3, 2006	11	CO (PPM)	0.57	NA	0.57	-9.00
AUR	8	Episode Day 3, 2006	12	CO (PPM)	0.62	NA	0.62	-9.00
AUR	8	Episode Day 3, 2006	13	CO (PPM)	0.67	NA	0.67	-9.00
AUR	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AURS	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	1.00
AURS	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	1.09
AURS	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	1.21
AURS	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	1.32
AURS	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	1.46
AURS	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	1.51

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	1.54
AURS	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	1.31
AURS	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.10
AURS	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.07
AURS	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.36
AURS	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	1.35
AURS	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	1.42
AURS	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	0.98
AURS	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	0.81
AURS	8	Episode Day 2, 2006	3	CO (PPM)	0.39	NA	0.39	0.69
AURS	8	Episode Day 2, 2006	4	CO (PPM)	0.37	NA	0.37	0.61
AURS	8	Episode Day 2, 2006	5	CO (PPM)	0.37	NA	0.37	0.63
AURS	8	Episode Day 2, 2006	6	CO (PPM)	0.36	NA	0.36	0.85
AURS	8	Episode Day 2, 2006	7	CO (PPM)	0.44	NA	0.44	1.23
AURS	8	Episode Day 2, 2006	8	CO (PPM)	0.48	NA	0.48	1.46
AURS	8	Episode Day 2, 2006	9	CO (PPM)	0.48	NA	0.48	1.69
AURS	8	Episode Day 2, 2006	10	CO (PPM)	0.49	NA	0.49	1.91
AURS	8	Episode Day 2, 2006	11	CO (PPM)	0.50	NA	0.50	2.21
AURS	8	Episode Day 2, 2006	12	CO (PPM)	0.53	NA	0.53	2.46
AURS	8	Episode Day 2, 2006	13	CO (PPM)	0.56	NA	0.56	2.66
AURS	8	Episode Day 2, 2006	14	CO (PPM)	0.60	NA	0.60	2.53
AURS	8	Episode Day 2, 2006	15	CO (PPM)	0.63	NA	0.63	2.36
AURS	8	Episode Day 2, 2006	16	CO (PPM)	1.00	NA	1.00	2.69
AURS	8	Episode Day 2, 2006	17	CO (PPM)	1.69	NA	1.69	3.80
AURS	8	Episode Day 2, 2006	18	CO (PPM)	2.45	NA	2.45	4.24
AURS	8	Episode Day 2, 2006	19	CO (PPM)	2.90	NA	2.90	4.28
AURS	8	Episode Day 2, 2006	20	CO (PPM)	2.95	NA	2.95	4.26
AURS	8	Episode Day 2, 2006	21	CO (PPM)	2.95	NA	2.95	4.18
AURS	8	Episode Day 2, 2006	22	CO (PPM)	2.92	NA	2.92	4.18
AURS	8	Episode Day 2, 2006	23	CO (PPM)	2.80	NA	2.80	4.01
AURS	8	Episode Day 3, 2006	0	CO (PPM)	2.39	NA	2.39	3.45
AURS	8	Episode Day 3, 2006	1	CO (PPM)	1.70	NA	1.70	2.11
AURS	8	Episode Day 3, 2006	2	CO (PPM)	0.93	NA	0.93	1.48
AURS	8	Episode Day 3, 2006	3	CO (PPM)	0.47	NA	0.47	1.16
AURS	8	Episode Day 3, 2006	4	CO (PPM)	0.39	NA	0.39	0.98
AURS	8	Episode Day 3, 2006	5	CO (PPM)	0.35	NA	0.35	0.90
AURS	8	Episode Day 3, 2006	6	CO (PPM)	0.34	NA	0.34	1.36
AURS	8	Episode Day 3, 2006	7	CO (PPM)	0.42	NA	0.42	2.06
AURS	8	Episode Day 3, 2006	8	CO (PPM)	0.44	NA	0.44	2.59
AURS	8	Episode Day 3, 2006	9	CO (PPM)	0.47	NA	0.47	2.94
AURS	8	Episode Day 3, 2006	10	CO (PPM)	0.50	NA	0.50	2.99
AURS	8	Episode Day 3, 2006	11	CO (PPM)	0.52	NA	0.52	3.04
AURS	8	Episode Day 3, 2006	12	CO (PPM)	0.56	NA	0.56	3.04
AURS	8	Episode Day 3, 2006	13	CO (PPM)	0.60	NA	0.60	2.99
AURS	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	2.41
AURS	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	1.65
AURS	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	1.25
AURS	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	1.26
AURS	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	1.64
AURS	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	1.86
AURS	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	2.15
AURS	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	2.36
AURS	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	2.45
AURS	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	2.49
PLM	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2006	3	CO (PPM)	0.74	NA	0.74	-9.00
PLM	8	Episode Day 2, 2006	4	CO (PPM)	0.69	NA	0.69	-9.00
PLM	8	Episode Day 2, 2006	5	CO (PPM)	0.66	NA	0.66	-9.00
PLM	8	Episode Day 2, 2006	6	CO (PPM)	0.60	NA	0.60	-9.00
PLM	8	Episode Day 2, 2006	7	CO (PPM)	0.67	NA	0.67	-9.00
PLM	8	Episode Day 2, 2006	8	CO (PPM)	0.71	NA	0.71	-9.00
PLM	8	Episode Day 2, 2006	9	CO (PPM)	0.75	NA	0.75	-9.00
PLM	8	Episode Day 2, 2006	10	CO (PPM)	0.77	NA	0.77	-9.00
PLM	8	Episode Day 2, 2006	11	CO (PPM)	0.78	NA	0.78	-9.00
PLM	8	Episode Day 2, 2006	12	CO (PPM)	0.81	NA	0.81	-9.00
PLM	8	Episode Day 2, 2006	13	CO (PPM)	0.84	NA	0.84	-9.00
PLM	8	Episode Day 2, 2006	14	CO (PPM)	0.88	NA	0.88	-9.00
PLM	8	Episode Day 2, 2006	15	CO (PPM)	0.86	NA	0.86	-9.00
PLM	8	Episode Day 2, 2006	16	CO (PPM)	1.12	NA	1.12	-9.00
PLM	8	Episode Day 2, 2006	17	CO (PPM)	1.54	NA	1.54	-9.00
PLM	8	Episode Day 2, 2006	18	CO (PPM)	2.09	NA	2.09	-9.00
PLM	8	Episode Day 2, 2006	19	CO (PPM)	2.81	NA	2.81	-9.00
PLM	8	Episode Day 2, 2006	20	CO (PPM)	2.99	NA	2.99	-9.00
PLM	8	Episode Day 2, 2006	21	CO (PPM)	3.04	NA	3.04	-9.00
PLM	8	Episode Day 2, 2006	22	CO (PPM)	3.06	NA	3.06	-9.00
PLM	8	Episode Day 2, 2006	23	CO (PPM)	2.97	NA	2.97	-9.00
PLM	8	Episode Day 3, 2006	0	CO (PPM)	2.64	NA	2.64	-9.00
PLM	8	Episode Day 3, 2006	1	CO (PPM)	2.16	NA	2.16	-9.00
PLM	8	Episode Day 3, 2006	2	CO (PPM)	1.60	NA	1.60	-9.00
PLM	8	Episode Day 3, 2006	3	CO (PPM)	0.86	NA	0.86	-9.00
PLM	8	Episode Day 3, 2006	4	CO (PPM)	0.64	NA	0.64	-9.00
PLM	8	Episode Day 3, 2006	5	CO (PPM)	0.55	NA	0.55	-9.00
PLM	8	Episode Day 3, 2006	6	CO (PPM)	0.48	NA	0.48	-9.00
PLM	8	Episode Day 3, 2006	7	CO (PPM)	0.58	NA	0.58	-9.00
PLM	8	Episode Day 3, 2006	8	CO (PPM)	0.63	NA	0.63	-9.00
PLM	8	Episode Day 3, 2006	9	CO (PPM)	0.66	NA	0.66	-9.00
PLM	8	Episode Day 3, 2006	10	CO (PPM)	0.70	NA	0.70	-9.00
PLM	8	Episode Day 3, 2006	11	CO (PPM)	0.76	NA	0.76	-9.00
PLM	8	Episode Day 3, 2006	12	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 3, 2006	13	CO (PPM)	0.91	NA	0.91	-9.00
PLM	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2006	3	CO (PPM)	0.39	NA	0.39	-9.00
BTN	8	Episode Day 2, 2006	4	CO (PPM)	0.38	NA	0.38	-9.00
BTN	8	Episode Day 2, 2006	5	CO (PPM)	0.37	NA	0.37	-9.00
BTN	8	Episode Day 2, 2006	6	CO (PPM)	0.38	NA	0.38	-9.00
BTN	8	Episode Day 2, 2006	7	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2006	8	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2006	9	CO (PPM)	0.41	NA	0.41	-9.00
BTN	8	Episode Day 2, 2006	10	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 2, 2006	11	CO (PPM)	0.47	NA	0.47	-9.00
BTN	8	Episode Day 2, 2006	12	CO (PPM)	0.52	NA	0.52	-9.00
BTN	8	Episode Day 2, 2006	13	CO (PPM)	0.58	NA	0.58	-9.00
BTN	8	Episode Day 2, 2006	14	CO (PPM)	0.63	NA	0.63	-9.00
BTN	8	Episode Day 2, 2006	15	CO (PPM)	0.68	NA	0.68	-9.00
BTN	8	Episode Day 2, 2006	16	CO (PPM)	0.76	NA	0.76	-9.00
BTN	8	Episode Day 2, 2006	17	CO (PPM)	0.84	NA	0.84	-9.00
BTN	8	Episode Day 2, 2006	18	CO (PPM)	0.91	NA	0.91	-9.00
BTN	8	Episode Day 2, 2006	19	CO (PPM)	0.94	NA	0.94	-9.00
BTN	8	Episode Day 2, 2006	20	CO (PPM)	0.93	NA	0.93	-9.00
BTN	8	Episode Day 2, 2006	21	CO (PPM)	0.94	NA	0.94	-9.00
BTN	8	Episode Day 2, 2006	22	CO (PPM)	1.02	NA	1.02	-9.00
BTN	8	Episode Day 2, 2006	23	CO (PPM)	1.12	NA	1.12	-9.00
BTN	8	Episode Day 3, 2006	0	CO (PPM)	1.11	NA	1.11	-9.00
BTN	8	Episode Day 3, 2006	1	CO (PPM)	1.05	NA	1.05	-9.00
BTN	8	Episode Day 3, 2006	2	CO (PPM)	0.97	NA	0.97	-9.00
BTN	8	Episode Day 3, 2006	3	CO (PPM)	0.90	NA	0.90	-9.00
BTN	8	Episode Day 3, 2006	4	CO (PPM)	0.85	NA	0.85	-9.00
BTN	8	Episode Day 3, 2006	5	CO (PPM)	0.79	NA	0.79	-9.00
BTN	8	Episode Day 3, 2006	6	CO (PPM)	0.66	NA	0.66	-9.00
BTN	8	Episode Day 3, 2006	7	CO (PPM)	0.51	NA	0.51	-9.00
BTN	8	Episode Day 3, 2006	8	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 3, 2006	9	CO (PPM)	0.38	NA	0.38	-9.00
BTN	8	Episode Day 3, 2006	10	CO (PPM)	0.35	NA	0.35	-9.00
BTN	8	Episode Day 3, 2006	11	CO (PPM)	0.33	NA	0.33	-9.00
BTN	8	Episode Day 3, 2006	12	CO (PPM)	0.33	NA	0.33	-9.00
BTN	8	Episode Day 3, 2006	13	CO (PPM)	0.33	NA	0.33	-9.00
BTN	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2006	3	CO (PPM)	0.75	NA	0.75	-9.00
U_1	8	Episode Day 2, 2006	4	CO (PPM)	0.71	NA	0.71	-9.00
U_1	8	Episode Day 2, 2006	5	CO (PPM)	0.68	NA	0.68	-9.00
U_1	8	Episode Day 2, 2006	6	CO (PPM)	0.63	NA	0.63	-9.00
U_1	8	Episode Day 2, 2006	7	CO (PPM)	0.74	NA	0.74	-9.00
U_1	8	Episode Day 2, 2006	8	CO (PPM)	0.80	NA	0.80	-9.00
U_1	8	Episode Day 2, 2006	9	CO (PPM)	0.83	NA	0.83	-9.00
U_1	8	Episode Day 2, 2006	10	CO (PPM)	0.84	NA	0.84	-9.00
U_1	8	Episode Day 2, 2006	11	CO (PPM)	0.86	NA	0.86	-9.00
U_1	8	Episode Day 2, 2006	12	CO (PPM)	0.90	NA	0.90	-9.00
U_1	8	Episode Day 2, 2006	13	CO (PPM)	0.95	NA	0.95	-9.00
U_1	8	Episode Day 2, 2006	14	CO (PPM)	1.05	NA	1.05	-9.00
U_1	8	Episode Day 2, 2006	15	CO (PPM)	1.07	NA	1.07	-9.00
U_1	8	Episode Day 2, 2006	16	CO (PPM)	1.56	NA	1.56	-9.00
U_1	8	Episode Day 2, 2006	17	CO (PPM)	2.59	NA	2.59	-9.00
U_1	8	Episode Day 2, 2006	18	CO (PPM)	3.66	NA	3.66	-9.00
U_1	8	Episode Day 2, 2006	19	CO (PPM)	3.94	NA	3.94	-9.00
U_1	8	Episode Day 2, 2006	20	CO (PPM)	3.99	NA	3.99	-9.00
U_1	8	Episode Day 2, 2006	21	CO (PPM)	4.00	NA	4.00	-9.00
U_1	8	Episode Day 2, 2006	22	CO (PPM)	3.94	NA	3.94	-9.00
U_1	8	Episode Day 2, 2006	23	CO (PPM)	3.79	NA	3.79	-9.00
U_1	8	Episode Day 3, 2006	0	CO (PPM)	3.22	NA	3.22	-9.00
U_1	8	Episode Day 3, 2006	1	CO (PPM)	2.16	NA	2.16	-9.00
U_1	8	Episode Day 3, 2006	2	CO (PPM)	1.08	NA	1.08	-9.00
U_1	8	Episode Day 3, 2006	3	CO (PPM)	0.76	NA	0.76	-9.00
U_1	8	Episode Day 3, 2006	4	CO (PPM)	0.66	NA	0.66	-9.00
U_1	8	Episode Day 3, 2006	5	CO (PPM)	0.59	NA	0.59	-9.00
U_1	8	Episode Day 3, 2006	6	CO (PPM)	0.57	NA	0.57	-9.00
U_1	8	Episode Day 3, 2006	7	CO (PPM)	0.78	NA	0.78	-9.00
U_1	8	Episode Day 3, 2006	8	CO (PPM)	0.89	NA	0.89	-9.00
U_1	8	Episode Day 3, 2006	9	CO (PPM)	0.96	NA	0.96	-9.00
U_1	8	Episode Day 3, 2006	10	CO (PPM)	1.02	NA	1.02	-9.00
U_1	8	Episode Day 3, 2006	11	CO (PPM)	1.09	NA	1.09	-9.00
U_1	8	Episode Day 3, 2006	12	CO (PPM)	1.20	NA	1.20	-9.00
U_1	8	Episode Day 3, 2006	13	CO (PPM)	1.32	NA	1.32	-9.00
U_1	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2006	3	CO (PPM)	0.51	NA	0.51	-9.00
F_A	8	Episode Day 2, 2006	4	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 2, 2006	5	CO (PPM)	0.46	NA	0.46	-9.00
F_A	8	Episode Day 2, 2006	6	CO (PPM)	0.36	NA	0.36	-9.00
F_A	8	Episode Day 2, 2006	7	CO (PPM)	0.44	NA	0.44	-9.00
F_A	8	Episode Day 2, 2006	8	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 2, 2006	9	CO (PPM)	0.53	NA	0.53	-9.00
F_A	8	Episode Day 2, 2006	10	CO (PPM)	0.57	NA	0.57	-9.00
F_A	8	Episode Day 2, 2006	11	CO (PPM)	0.61	NA	0.61	-9.00
F_A	8	Episode Day 2, 2006	12	CO (PPM)	0.64	NA	0.64	-9.00
F_A	8	Episode Day 2, 2006	13	CO (PPM)	0.66	NA	0.66	-9.00
F_A	8	Episode Day 2, 2006	14	CO (PPM)	0.66	NA	0.66	-9.00
F_A	8	Episode Day 2, 2006	15	CO (PPM)	0.65	NA	0.65	-9.00
F_A	8	Episode Day 2, 2006	16	CO (PPM)	0.79	NA	0.79	-9.00
F_A	8	Episode Day 2, 2006	17	CO (PPM)	0.83	NA	0.83	-9.00
F_A	8	Episode Day 2, 2006	18	CO (PPM)	0.86	NA	0.86	-9.00
F_A	8	Episode Day 2, 2006	19	CO (PPM)	0.88	NA	0.88	-9.00
F_A	8	Episode Day 2, 2006	20	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2006	21	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2006	22	CO (PPM)	0.87	NA	0.87	-9.00
F_A	8	Episode Day 2, 2006	23	CO (PPM)	0.76	NA	0.76	-9.00
F_A	8	Episode Day 3, 2006	0	CO (PPM)	0.58	NA	0.58	-9.00
F_A	8	Episode Day 3, 2006	1	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 3, 2006	2	CO (PPM)	0.43	NA	0.43	-9.00
F_A	8	Episode Day 3, 2006	3	CO (PPM)	0.36	NA	0.36	-9.00
F_A	8	Episode Day 3, 2006	4	CO (PPM)	0.31	NA	0.31	-9.00
F_A	8	Episode Day 3, 2006	5	CO (PPM)	0.28	NA	0.28	-9.00
F_A	8	Episode Day 3, 2006	6	CO (PPM)	0.29	NA	0.29	-9.00
F_A	8	Episode Day 3, 2006	7	CO (PPM)	0.40	NA	0.40	-9.00
F_A	8	Episode Day 3, 2006	8	CO (PPM)	0.44	NA	0.44	-9.00
F_A	8	Episode Day 3, 2006	9	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2006	10	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2006	11	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 3, 2006	12	CO (PPM)	0.52	NA	0.52	-9.00
F_A	8	Episode Day 3, 2006	13	CO (PPM)	0.56	NA	0.56	-9.00
F_A	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2006	3	CO (PPM)	0.37	NA	0.37	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	8	Episode Day 2, 2006	4	CO (PPM)	0.36	NA	0.36	-9.00
H_U	8	Episode Day 2, 2006	5	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 2, 2006	6	CO (PPM)	0.32	NA	0.32	-9.00
H_U	8	Episode Day 2, 2006	7	CO (PPM)	0.38	NA	0.38	-9.00
H_U	8	Episode Day 2, 2006	8	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2006	9	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 2, 2006	10	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 2, 2006	11	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 2, 2006	12	CO (PPM)	0.43	NA	0.43	-9.00
H_U	8	Episode Day 2, 2006	13	CO (PPM)	0.46	NA	0.46	-9.00
H_U	8	Episode Day 2, 2006	14	CO (PPM)	0.54	NA	0.54	-9.00
H_U	8	Episode Day 2, 2006	15	CO (PPM)	0.67	NA	0.67	-9.00
H_U	8	Episode Day 2, 2006	16	CO (PPM)	1.13	NA	1.13	-9.00
H_U	8	Episode Day 2, 2006	17	CO (PPM)	1.64	NA	1.64	-9.00
H_U	8	Episode Day 2, 2006	18	CO (PPM)	1.83	NA	1.83	-9.00
H_U	8	Episode Day 2, 2006	19	CO (PPM)	1.89	NA	1.89	-9.00
H_U	8	Episode Day 2, 2006	20	CO (PPM)	1.89	NA	1.89	-9.00
H_U	8	Episode Day 2, 2006	21	CO (PPM)	1.87	NA	1.87	-9.00
H_U	8	Episode Day 2, 2006	22	CO (PPM)	1.79	NA	1.79	-9.00
H_U	8	Episode Day 2, 2006	23	CO (PPM)	1.61	NA	1.61	-9.00
H_U	8	Episode Day 3, 2006	0	CO (PPM)	1.12	NA	1.12	-9.00
H_U	8	Episode Day 3, 2006	1	CO (PPM)	0.61	NA	0.61	-9.00
H_U	8	Episode Day 3, 2006	2	CO (PPM)	0.42	NA	0.42	-9.00
H_U	8	Episode Day 3, 2006	3	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 3, 2006	4	CO (PPM)	0.33	NA	0.33	-9.00
H_U	8	Episode Day 3, 2006	5	CO (PPM)	0.31	NA	0.31	-9.00
H_U	8	Episode Day 3, 2006	6	CO (PPM)	0.31	NA	0.31	-9.00
H_U	8	Episode Day 3, 2006	7	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 3, 2006	8	CO (PPM)	0.44	NA	0.44	-9.00
H_U	8	Episode Day 3, 2006	9	CO (PPM)	0.47	NA	0.47	-9.00
H_U	8	Episode Day 3, 2006	10	CO (PPM)	0.51	NA	0.51	-9.00
H_U	8	Episode Day 3, 2006	11	CO (PPM)	0.56	NA	0.56	-9.00
H_U	8	Episode Day 3, 2006	12	CO (PPM)	0.60	NA	0.60	-9.00
H_U	8	Episode Day 3, 2006	13	CO (PPM)	0.65	NA	0.65	-9.00
H_U	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2006	3	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 2, 2006	4	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2006	5	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2006	6	CO (PPM)	0.24	NA	0.24	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	8	Episode Day 2, 2006	7	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 2, 2006	8	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2006	9	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2006	10	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2006	11	CO (PPM)	0.29	NA	0.29	-9.00
U_A	8	Episode Day 2, 2006	12	CO (PPM)	0.31	NA	0.31	-9.00
U_A	8	Episode Day 2, 2006	13	CO (PPM)	0.34	NA	0.34	-9.00
U_A	8	Episode Day 2, 2006	14	CO (PPM)	0.38	NA	0.38	-9.00
U_A	8	Episode Day 2, 2006	15	CO (PPM)	0.47	NA	0.47	-9.00
U_A	8	Episode Day 2, 2006	16	CO (PPM)	0.79	NA	0.79	-9.00
U_A	8	Episode Day 2, 2006	17	CO (PPM)	1.17	NA	1.17	-9.00
U_A	8	Episode Day 2, 2006	18	CO (PPM)	1.30	NA	1.30	-9.00
U_A	8	Episode Day 2, 2006	19	CO (PPM)	1.33	NA	1.33	-9.00
U_A	8	Episode Day 2, 2006	20	CO (PPM)	1.32	NA	1.32	-9.00
U_A	8	Episode Day 2, 2006	21	CO (PPM)	1.30	NA	1.30	-9.00
U_A	8	Episode Day 2, 2006	22	CO (PPM)	1.25	NA	1.25	-9.00
U_A	8	Episode Day 2, 2006	23	CO (PPM)	1.14	NA	1.14	-9.00
U_A	8	Episode Day 3, 2006	0	CO (PPM)	0.82	NA	0.82	-9.00
U_A	8	Episode Day 3, 2006	1	CO (PPM)	0.44	NA	0.44	-9.00
U_A	8	Episode Day 3, 2006	2	CO (PPM)	0.30	NA	0.30	-9.00
U_A	8	Episode Day 3, 2006	3	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 3, 2006	4	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2006	5	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 3, 2006	6	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2006	7	CO (PPM)	0.35	NA	0.35	-9.00
U_A	8	Episode Day 3, 2006	8	CO (PPM)	0.40	NA	0.40	-9.00
U_A	8	Episode Day 3, 2006	9	CO (PPM)	0.44	NA	0.44	-9.00
U_A	8	Episode Day 3, 2006	10	CO (PPM)	0.48	NA	0.48	-9.00
U_A	8	Episode Day 3, 2006	11	CO (PPM)	0.51	NA	0.51	-9.00
U_A	8	Episode Day 3, 2006	12	CO (PPM)	0.55	NA	0.55	-9.00
U_A	8	Episode Day 3, 2006	13	CO (PPM)	0.60	NA	0.60	-9.00
U_A	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	0	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	1	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	2	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	3	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	4	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	5	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	6	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2006	7	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	8	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	9	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	10	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	11	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	12	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	13	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2006	0	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2006	1	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2006	2	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2006	3	CO (PPM)	0.45	NA	0.45	-9.00
P_I	8	Episode Day 2, 2006	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 2, 2006	5	CO (PPM)	0.42	NA	0.42	-9.00
P_I	8	Episode Day 2, 2006	6	CO (PPM)	0.41	NA	0.41	-9.00
P_I	8	Episode Day 2, 2006	7	CO (PPM)	0.50	NA	0.50	-9.00
P_I	8	Episode Day 2, 2006	8	CO (PPM)	0.55	NA	0.55	-9.00
P_I	8	Episode Day 2, 2006	9	CO (PPM)	0.56	NA	0.56	-9.00

High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2006 PREDICTED (UAM)	2006 PREDICTED (CAL3QHC)	2006 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	8	Episode Day 2, 2006	10	CO (PPM)	0.56	NA	0.56	-9.00
P_I	8	Episode Day 2, 2006	11	CO (PPM)	0.57	NA	0.57	-9.00
P_I	8	Episode Day 2, 2006	12	CO (PPM)	0.60	NA	0.60	-9.00
P_I	8	Episode Day 2, 2006	13	CO (PPM)	0.62	NA	0.62	-9.00
P_I	8	Episode Day 2, 2006	14	CO (PPM)	0.65	NA	0.65	-9.00
P_I	8	Episode Day 2, 2006	15	CO (PPM)	0.64	NA	0.64	-9.00
P_I	8	Episode Day 2, 2006	16	CO (PPM)	0.93	NA	0.93	-9.00
P_I	8	Episode Day 2, 2006	17	CO (PPM)	1.51	NA	1.51	-9.00
P_I	8	Episode Day 2, 2006	18	CO (PPM)	2.23	NA	2.23	-9.00
P_I	8	Episode Day 2, 2006	19	CO (PPM)	2.57	NA	2.57	-9.00
P_I	8	Episode Day 2, 2006	20	CO (PPM)	2.64	NA	2.64	-9.00
P_I	8	Episode Day 2, 2006	21	CO (PPM)	2.66	NA	2.66	-9.00
P_I	8	Episode Day 2, 2006	22	CO (PPM)	2.65	NA	2.65	-9.00
P_I	8	Episode Day 2, 2006	23	CO (PPM)	2.55	NA	2.55	-9.00
P_I	8	Episode Day 3, 2006	0	CO (PPM)	2.20	NA	2.20	-9.00
P_I	8	Episode Day 3, 2006	1	CO (PPM)	1.62	NA	1.62	-9.00
P_I	8	Episode Day 3, 2006	2	CO (PPM)	0.88	NA	0.88	-9.00
P_I	8	Episode Day 3, 2006	3	CO (PPM)	0.53	NA	0.53	-9.00
P_I	8	Episode Day 3, 2006	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 3, 2006	5	CO (PPM)	0.38	NA	0.38	-9.00
P_I	8	Episode Day 3, 2006	6	CO (PPM)	0.36	NA	0.36	-9.00
P_I	8	Episode Day 3, 2006	7	CO (PPM)	0.47	NA	0.47	-9.00
P_I	8	Episode Day 3, 2006	8	CO (PPM)	0.51	NA	0.51	-9.00
P_I	8	Episode Day 3, 2006	9	CO (PPM)	0.56	NA	0.56	-9.00
P_I	8	Episode Day 3, 2006	10	CO (PPM)	0.61	NA	0.61	-9.00
P_I	8	Episode Day 3, 2006	11	CO (PPM)	0.64	NA	0.64	-9.00
P_I	8	Episode Day 3, 2006	12	CO (PPM)	0.69	NA	0.69	-9.00
P_I	8	Episode Day 3, 2006	13	CO (PPM)	0.75	NA	0.75	-9.00
P_I	8	Episode Day 3, 2006	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2006	23	CO (PPM)	-9.00	NA	-9.00	-9.00

NOTE:
NA in THIS report appears for ALL 8-hr avg CAL3QHC values since 8-hr running averages for CAL3QHC results are NOT computed; 1-hr averages for UAM and CAL3QHC are summed and then 8-hour running averages are computed.

MET A7, 08-27-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-27-99 UAM
High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR 8-HR AVERAGING PERIOD:

station	max concentration (1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	18.7	43	18
WBY	8.9	49	0
CRG	10.4	49	0
NJH	11.3	47	22
TIV	0.0	0	0
ICMP	0.0	0	0
ENG	3.7	47	22
BOU	2.1	38	13
GRDS	8.3	45	20
ARV	5.1	37	12
HLD	1.6	47	22
AUR	0.0	0	0
AURS	4.3	44	19
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2006 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	7.6	48	23
WBY	4.1	50	1
CRG	4.1	48	23
NJH	3.5	47	22
TIV	7.0	47	22
ICMP	8.7	47	22
ENG	1.7	44	19
BOU	0.8	42	17
GRDS	0.9	42	17
ARV	1.5	43	18
HLD	1.2	44	19
AUR	2.6	47	22
AURS	3.0	45	20
PLM	3.1	47	22
BTN	1.1	48	23
U_1	4.0	46	21
F_A	0.9	46	21
H_U	1.9	45	20
U_A	1.3	44	19
P_I	2.7	46	21

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

MET A7, 08-27-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-27-99 UAM
High: 2006 mob=844.7tpd;1.5;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR **1-HR** AVERAGING PERIOD:

station	max concentration (1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	50.5	42	17
WBY	13.4	43	18
CRG	16.3	44	19
NJH	22.9	42	17
TIV	0.0	0	0
ICMP	0.0	0	0

ENG	9.4	42	17
BOU	6.5	44	19
GRDS	16.6	33	8
ARV	11.0	33	8
HLD	4.4	42	17
AUR	0.0	0	0
AURS	11.2	42	17
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2006 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	14.0	43	18
WBY	5.1	48	23
CRG	5.5	43	18
NJH	6.7	44	19
TIV	13.8	43	18
ICMP	15.6	42	17
ENG	3.9	41	16
BOU	1.5	40	15
GRDS	1.6	41	16
ARV	3.0	41	16
HLD	3.2	42	17
AUR	4.2	44	19
AURS	6.4	43	18
PLM	6.3	44	19
BTN	1.6	48	23
U_1	9.1	43	18
F_A	1.8	41	16
H_U	4.5	42	17
U_A	3.3	42	17
P_I	6.2	43	18

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

Appendix F – Urban Airshed Modeling: High Episode 2012 Results (Run L)

Maximum 8-hr Average Carbon Monoxide Concentration Estimates (ppm)
from the Urban Airshed Model for Denver Colorado
2012 Projection for the "High" Episode (05DEC88)
Control Strategy: 1.5%oxyFuels; 80%RemoteSensing;4yrExempt I/M240
On-Road Mobile Emission Inventory Total = 869 tons/day

1.3	1.2	1.7	1.5	1.7	1.6	2.7	2.8	3.6	3.4	2.6	2.0	1.5	1.4	1.4	1.5	1.5	1.4	1.0	1.0	0.8
1.1	1.9	2.5	1.9	2.1	2.2	3.2	3.2	3.9	3.6	2.7	1.9	1.5	1.4	1.4	1.5	1.6	1.4	1.0	1.0	0.9
1.2	1.6	1.7	2.2	2.2	2.1	3.2	3.5	4.1	3.6	2.6	2.0	1.6	1.4	1.4	1.5	1.7	1.5	1.1	0.9	0.9
1.2	1.6	1.7	2.0	2.8	2.8	3.8	4.1	▲ WELBY 4.3	3.9	2.8	2.0	1.7	1.5	1.4	1.6	1.7	1.7	1.2	1.1	1.0
1.2	1.5	1.5	1.7	2.2	2.3	4.[illegible]	4.5	4.2	3.6	2.8	2.1	1.8	1.6	1.5	1.6	1.8	1.7	1.2	1.0	0.9
1.4 ▲ ARV	1.6	1.6	2.0	3.0	3.1	5.0	4.5	4.1	4.2	3.1	2.3	2.1	1.7	1.6	1.9	1.9	1.8	1.3	1.0	1.0
1.6	2.2	2.3	2.6	3.8	3.8	5.7	4.9	4.1	3.7	3.4	2.7	2.3	1.9	1.7	2.0	2.0	1.8	1.3	1.0	1.0
1.7	2.0	2.7	3.5	4.2	4.8	[illegible].7	5.7	4.8	3.7	3.5	3.0	3.1	2.8	2.3	2.5	2.4	1.9	1.4	1.1	1.0
1.6	2.0	2.8	3.3	4.3	7.0	7.4	4.8	3.8	2.9	3.0	2.8	2.7	2.5	2.2	2.4	2.3	2.1	1.5	1.1	1.1
1.8	2.4	3.3	3.2	▲ CRG 5.1	7.9	▲ CAMP 8.3	4.6	3.7	2.7	3.0	2.9	2.6	2.7	2.5	2.8	2.5	2.1	1.6	1.2	1.2
2.3	2.6	3.3	2.9	4.1	5.7	7.1	4.2	3.6	▲ NJH 2.9	3.2	2.8	2.8	2.7	2.4	3.1	2.7	2.2	1.7	1.2	1.2
2.1	2.6	3.0	2.6	3.3	4.3	4.6	3.8	4.0	2.8	3.1	2.9	2.6	2.6	2.4	3.4	3.1	2.3	1.7	1.2	1.3
1.3	1.8	1.9	1.8	2.1	2.3	3.8	2.8	2.9	2.8	3.1	2.6	2.8	2.7	2.7	3.5	3.2	2.6	1.9	1.3	1.4
1.1	1.6	1.9	1.6	1.8	1.8	2.7	2.8	2.9	2.5	2.7	2.3	2.5	2.3	2.7	2.9	2.8	2.5	2.0	1.5	1.5
1.0	1.5	1.5	1.3	1.5	1.5	2.3	2.3	2.2	2.6	2.6	2.2	2.6	2.6	2.8	3.0	2.6	2.5	1.9	1.5	1.5
1.0	1.4	1.5	1.1	1.3	1.6 ▲ ENG	2.0	2.1	2.0	1.9	2.3	2.3	2.4	2.8	3.2	2.5	2.4	2.4	1.9	1.4	1.4
0.8	1.4	1.3	1.1	1.2	1.5	1.8	1.7	1.5	1.4	2.1	2.3	2.4	2.4	2.6	2.2	2.3	2.2	1.8	1.4	1.3
1.0	1.5	1.1	0.9	1.1	1.4	1.6	1.5	1.4	1.3	2.0	2.9	2.4	2.1	1.9	2.1	2.2	1.9	1.6	1.3	1.2
1.3	1.0	0.9	0.9	1.4	1.2	1.5	1.4	1.1	1.1	1.4	2.7	2.1	1.9	1.7	1.7	2.0	1.6	1.5	1.3	1.1
1.0	0.8	0.7	0.8	1.1	1.0	1.3	1.4	1.3	1.3	1.5	2.8	2.4	2.3	2.0	1.7	2.3	1.6	1.2	1.2	1.0
0.8	1.0	0.9	0.8	1.1	0.9	1.2	1.4	1.2	1.1	1.3	1.5	2.5	2.1	1.8	1.4	1.4	1.1	1.0	1.0	0.9

One Grid is One Square Mile

The value in each grid cell shows the maximum CO 8-hr running average for the entire simulation

```
URBAN AIRHSED MODEL OUTPUT – RUNNING 8-HOUR AVERAGES FOR ENTIRE DOMAIN
\ FILENAME: c:\den_co\graphix\l\tmap8_l.max
\ UAM Level 1
\ CO SIP for Denver, Colorado
\ Episode code processed: l
\ Base episode code:      a (05DEC88)
\ L: 2012 mobile=868.8 tpd 30aug99 12aoxy15.prn
\ 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;27aug99PTS
\ MET A7: DWMZ=12,UAMZ=5,DB=40-225,SimDrainJet,ModEC, 11-01-93
\ QA Check - select files used in 2nd day of simulation:
\   c:\den_co\inputs\l\ar_l2.b??, 08-30-99 (EI year: 2012)
\   c:\den_co\inputs\l\pt_l2.bin, 01-11-94
\   c:\den_co\inputs\a\uw_a2.bin, 11-01-93
\   c:\den_co\outputs\l\avg_l2.out, 08-30-99
\
\ TMAP run dated: 08:25:43 08-31-99
\ 8-Hr Averaging Period
\ Time, magnitude, and location of max/min predicted concentration
\
Ending time  600.
UAM Maximum  8-hr average:  2.11 cell (21,47)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  700.
UAM Maximum  8-hr average:  2.02 cell (21,47)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  800.
UAM Maximum  8-hr average:  1.95 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  900.
UAM Maximum  8-hr average:  1.72 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time 1000.
UAM Maximum  8-hr average:  1.46 cell (21,47)
UAM Minimum  8-hr average:  0.18 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time 1100.
UAM Maximum  8-hr average:  1.38 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1200.
UAM Maximum  8-hr average:  1.40 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1300.
UAM Maximum  8-hr average:  1.44 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1400.
UAM Maximum  8-hr average:  1.51 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

--------------------------------------------------------------------------------------
```

```
Ending time 1500.
UAM Maximum  8-hr average:  1.64 cell (23,43)
UAM Minimum  8-hr average:  0.19 cell ( 3,37)

---------------------------------------------------------------------------------------


Ending time 1600.
UAM Maximum  8-hr average:  1.67 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

---------------------------------------------------------------------------------------


Ending time 1700.
UAM Maximum  8-hr average:  2.70 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

---------------------------------------------------------------------------------------


Ending time 1800.
UAM Maximum  8-hr average:  4.81 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (27,11)

---------------------------------------------------------------------------------------


Ending time 1900.
UAM Maximum  8-hr average:  6.65 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             6.650
    22     43             6.341
    23     43             6.462
---------------------------------------------------------------------------------------


Ending time 2000.
UAM Maximum  8-hr average:  7.70 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.099
    22     43             7.315
    23     43             7.703
---------------------------------------------------------------------------------------


Ending time 2100.
UAM Maximum  8-hr average:  7.97 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.114
    22     43             7.590
    23     43             7.974
    22     44             6.088
    23     44             6.449
    23     45             6.597
---------------------------------------------------------------------------------------


Ending time 2200.
UAM Maximum  8-hr average:  8.17 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)
```

```
    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            7.085
    22     43            7.762
    23     43            8.167
    22     44            6.478
    23     44            6.852
    23     45            7.113
------------------------------------------------------------------------------------


Ending time 2300.
UAM Maximum  8-hr average:  8.34 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            7.001
    22     43            7.890
    23     43            8.335
    22     44            6.806
    23     44            7.192
    23     45            7.470
------------------------------------------------------------------------------------


Ending time    0.
UAM Maximum  8-hr average:  8.30 cell (23,43)
UAM Minimum  8-hr average:  0.16 cell (28,16)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42            6.732
    22     43            7.860
    23     43            8.298
    22     44            7.036
    23     44            7.404
    23     45            7.729
------------------------------------------------------------------------------------


Ending time  100.
UAM Maximum  8-hr average:  7.37 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell (28,16)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    22     43            6.926
    23     43            7.296
    22     44            6.692
    23     44            6.985
    23     45            7.372
------------------------------------------------------------------------------------


Ending time  200.
UAM Maximum  8-hr average:  6.45 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)


    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     44            6.032
    23     45            6.445
------------------------------------------------------------------------------------
```

```
Ending time  300.
UAM Maximum  8-hr average:  5.40 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  400.
UAM Maximum  8-hr average:  4.16 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  500.
UAM Maximum  8-hr average:  3.30 cell (25,49)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  600.
UAM Maximum  8-hr average:  2.71 cell (25,50)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  700.
UAM Maximum  8-hr average:  2.29 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  800.
UAM Maximum  8-hr average:  2.30 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time  900.
UAM Maximum  8-hr average:  2.07 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

---------------------------------------------------------------------------------------


Ending time 1000.
UAM Maximum  8-hr average:  2.04 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

---------------------------------------------------------------------------------------


Ending time 1100.
UAM Maximum  8-hr average:  2.20 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

---------------------------------------------------------------------------------------


Ending time 1200.
UAM Maximum  8-hr average:  2.31 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

---------------------------------------------------------------------------------------
```

File: ar_l_tot.qa0
Daily emissions for each source category as input to the Urban Airshed Model

```
CO: TOTAL EMISSIONS FOR CATEGORY       AMP     BEFORE HRLY SCALARS APPLIED =     186.105283       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =     186.105289       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     186.105283       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       PMP     BEFORE HRLY SCALARS APPLIED =     249.454414       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =     249.454414       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     435.559697       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       OFP     BEFORE HRLY SCALARS APPLIED =     433.273964       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =     433.187313       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     868.833661       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY        RR     BEFORE HRLY SCALARS APPLIED =       0.333074       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =       0.333074       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     869.166736       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       HLI     BEFORE HRLY SCALARS APPLIED =       0.370857       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =       0.370857       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     869.537593       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY        AC     BEFORE HRLY SCALARS APPLIED =      24.103800       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =      24.272526       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     893.641393       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       ACS     BEFORE HRLY SCALARS APPLIED =       7.700000       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =       7.753900       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     901.341393       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY        AG     BEFORE HRLY SCALARS APPLIED =       0.255744       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =       0.255744       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     901.597137       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       CST     BEFORE HRLY SCALARS APPLIED =       8.060200       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =       8.060200       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     909.657337       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       IND     BEFORE HRLY SCALARS APPLIED =      23.541000       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =      23.541000       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =     933.198337       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       LTC     BEFORE HRLY SCALARS APPLIED =     130.383000       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =     130.383002       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =    1063.581337       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY        FP     BEFORE HRLY SCALARS APPLIED =      10.254174       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED  =      10.254174       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS =    1073.835511       TONS/DAY
---------------------------------------------
```

```
CO: TOTAL EMISSIONS FOR CATEGORY       STV     BEFORE HRLY SCALARS APPLIED  =      16.511581       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED   =      16.511581       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS  =    1090.347091       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       SFR     BEFORE HRLY SCALARS APPLIED  =       5.446302       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED   =       5.446738       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS  =    1095.793394       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY        NG     BEFORE HRLY SCALARS APPLIED  =       9.893396       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED   =       9.893396       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS  =    1105.686789       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       MIN     BEFORE HRLY SCALARS APPLIED  =      21.075900       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED   =      21.077585       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS  =    1126.762689       TONS/DAY
---------------------------------------------

CO: TOTAL EMISSIONS FOR CATEGORY       MJA     BEFORE HRLY SCALARS APPLIED  =       0.000000       TONS/DAY
INVENTORY CODE: L                              AFTER HRLY SCALARS APPLIED   =       0.000000       TONS/DAY
                                        ...RUNNING SUBTOTAL BEFORE SCALARS  =    1126.762689       TONS/DAY
---------------------------------------------

QA check of        CO EMISSIONS total in UAM binary file (NOTES: 1. hourly scalars applied; 2. MJE excluded)
INVENTORY CODE: L
                                                                            =    1126.900793       TONS/DAY
                                                                            =     36510971.5 GRAM-MOLES/DAY
****************************************************************************************************************************
CO: TOTAL EMISSIONS FROM ALL CATEGORIES INCLUDING ELEVATED POINTS
INVENTORY CODE: L
                                               BEFORE HRLY SCALARS APPLIED  =    1152.327589       TONS/DAY
                                               AFTER HRLY SCALARS APPLIED   =    1152.465693       TONS/DAY
****************************************************************************************************************************
```

```
File: ar_omax.qa0
Maximum emission rate and corresponding UAM grid cell for each source category

CATEGORY=        AMP: MAXIMUM VALUE=   0.990000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        PMP: MAXIMUM VALUE=   2.090000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        OFP: MAXIMUM VALUE=   2.850000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         RR: MAXIMUM VALUE=   0.029800 TPD @GRID CELL (X,Y): ( 22, 47)
CATEGORY=        HLI: MAXIMUM VALUE=   0.008990 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         AC: MAXIMUM VALUE=   3.090000 TPD @GRID CELL (X,Y): ( 39, 50)
CATEGORY=        ACS: MAXIMUM VALUE=   1.100000 TPD @GRID CELL (X,Y): ( 28, 44)
CATEGORY=         AG: MAXIMUM VALUE=   0.000148 TPD @GRID CELL (X,Y): (  7, 69)
CATEGORY=        CST: MAXIMUM VALUE=   0.021100 TPD @GRID CELL (X,Y): (  3, 26)
CATEGORY=        IND: MAXIMUM VALUE=   0.413000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=        LTC: MAXIMUM VALUE=   0.594000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=         FP: MAXIMUM VALUE=   0.056100 TPD @GRID CELL (X,Y): ( 24, 42)
CATEGORY=        STV: MAXIMUM VALUE=   0.129000 TPD @GRID CELL (X,Y): ( 17, 35)
CATEGORY=        SFR: MAXIMUM VALUE=   0.033700 TPD @GRID CELL (X,Y): ( 23, 42)
CATEGORY=         NG: MAXIMUM VALUE=   0.218000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        MIN: MAXIMUM VALUE=   2.560000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJA: MAXIMUM VALUE=   0.000000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJE: MAXIMUM VALUE=   5.950000 TPD @GRID CELL (X,Y): ( 24, 47)
CATEGORY=        TOT: MAXIMUM VALUE=   7.470000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        SUM: MAXIMUM VALUE=   7.473437 TPD @GRID CELL (X,Y): ( 23, 43)
```

Air Quality Modeling Results for the Denver Carbon Monoxide Maintenance Plan

UAM and CAL3QHC Estimates at Monitoring Sites and Roadway Intersections

The attached report is one of several files generated by a the Colorado Department of Public Health and Environment's postprocessing batch program "DPLOT.BTM." This particular report, which presents 1-hour and 8-hour average UAM and CAL3QHC estimates for each monitoring site and roadway intersection, was generated by the FORTRAN program "P_STATS." Strings of text at the beginning of the report uniquely identify the modeling scenario. These IDs (see example on page 2) are auto-built by DPLOT.BTM. Automated title generation for each modeling run streamlines postprocessing while enhancing QA procedures.

P_STATS reads SAI's DPLOT format data files which contain hourly concentration estimates from the Urban Airshed Model and observed concentrations from various monitoring sites. In addition, P_STATS reads another set of DPLOT format files containing hourly concentration estimates from the CAL3QHC model. While there are UAM estimates for every monitoring site and roadway intersection, CAL3QHC estimates are available only at intersections where refined modeling was performed. Please note that all "observed" values are from the historic episode on which the modeling is based. The "DATE" column indicates the year of the MODELED estimates; all observed estimates are for the base year (e.g., 1988 for the "high" and "2nd-high" episodes).

A "-9.00" entry indicates that values were not generated. "NA" is used for all 8-hour CAL3QHC entries because 8-hour average values are not computed; instead, hourly CAL3QHC and UAM estimates are summed before 8-hour average UAM/CAL3QHC values are computed. A key to site abbreviations follows:

Monitoring Sites	**Description**
CMP	CAMP
WBY	Welby
CRG	Carriage
TIV	Tivoli
FED	Roof of Federal Bldg (downtown) - inlet 72 meters above ground
NJH	NJH-E
PLM	Palmer School (inlet on top of 2 story bldg)
ARV	Arvada
ENG	Englewood
BOU	Boulder (Marine St)
GRDS	Boulder Grandys Special Study Site
HLD	Highland
AUR	Aurora
AURS	Aurora Special Study Site
BTN	Brighton
Intersections	
ICMP	Broadway & Champa (CAMP intersection)
U_1	University & 1st
F_A	Foothills & Arapahoe (Boulder)
H_U	Hampden & University
U_A	University & Arapahoe
P_I	Parker & Iliff

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;
MET A7, 08-30-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-30-99 UAM

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	2.70
CMP	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	3.00
CMP	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
CMP	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	2.10
CMP	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	2.80
CMP	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	6.40
CMP	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	7.60
CMP	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	6.80
CMP	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
CMP	1	Episode Day 1, 2012	22	CO (PPM)	1.29	-9.00	1.29	1.00
CMP	1	Episode Day 1, 2012	23	CO (PPM)	1.81	-9.00	1.81	1.60
CMP	1	Episode Day 2, 2012	0	CO (PPM)	2.17	-9.00	2.17	1.50
CMP	1	Episode Day 2, 2012	1	CO (PPM)	1.76	-9.00	1.76	0.80
CMP	1	Episode Day 2, 2012	2	CO (PPM)	0.89	-9.00	0.89	0.00
CMP	1	Episode Day 2, 2012	3	CO (PPM)	0.78	-9.00	0.78	0.00
CMP	1	Episode Day 2, 2012	4	CO (PPM)	0.80	-9.00	0.80	0.00
CMP	1	Episode Day 2, 2012	5	CO (PPM)	0.74	-9.00	0.74	0.30
CMP	1	Episode Day 2, 2012	6	CO (PPM)	0.95	-9.00	0.95	0.80
CMP	1	Episode Day 2, 2012	7	CO (PPM)	2.91	-9.00	2.91	4.10
CMP	1	Episode Day 2, 2012	8	CO (PPM)	1.63	-9.00	1.63	5.40
CMP	1	Episode Day 2, 2012	9	CO (PPM)	1.12	-9.00	1.12	2.90
CMP	1	Episode Day 2, 2012	10	CO (PPM)	0.98	-9.00	0.98	2.90
CMP	1	Episode Day 2, 2012	11	CO (PPM)	1.26	-9.00	1.26	4.50
CMP	1	Episode Day 2, 2012	12	CO (PPM)	1.35	-9.00	1.35	4.00
CMP	1	Episode Day 2, 2012	13	CO (PPM)	1.46	-9.00	1.46	4.30
CMP	1	Episode Day 2, 2012	14	CO (PPM)	1.89	-9.00	1.89	4.50
CMP	1	Episode Day 2, 2012	15	CO (PPM)	3.03	-9.00	3.03	7.00
CMP	1	Episode Day 2, 2012	16	CO (PPM)	8.79	-9.00	8.79	45.00
CMP	1	Episode Day 2, 2012	17	CO (PPM)	13.87	-9.00	13.87	50.50
CMP	1	Episode Day 2, 2012	18	CO (PPM)	14.68	-9.00	14.68	30.00
CMP	1	Episode Day 2, 2012	19	CO (PPM)	11.14	-9.00	11.14	3.90
CMP	1	Episode Day 2, 2012	20	CO (PPM)	4.56	-9.00	4.56	2.10
CMP	1	Episode Day 2, 2012	21	CO (PPM)	3.47	-9.00	3.47	2.30
CMP	1	Episode Day 2, 2012	22	CO (PPM)	3.59	-9.00	3.59	3.80
CMP	1	Episode Day 2, 2012	23	CO (PPM)	3.35	-9.00	3.35	4.00
CMP	1	Episode Day 3, 2012	0	CO (PPM)	2.31	-9.00	2.31	4.50
CMP	1	Episode Day 3, 2012	1	CO (PPM)	1.61	-9.00	1.61	2.60
CMP	1	Episode Day 3, 2012	2	CO (PPM)	1.05	-9.00	1.05	1.10
CMP	1	Episode Day 3, 2012	3	CO (PPM)	0.58	-9.00	0.58	0.80
CMP	1	Episode Day 3, 2012	4	CO (PPM)	0.62	-9.00	0.62	1.10
CMP	1	Episode Day 3, 2012	5	CO (PPM)	1.20	-9.00	1.20	2.40
CMP	1	Episode Day 3, 2012	6	CO (PPM)	2.16	-9.00	2.16	5.10
CMP	1	Episode Day 3, 2012	7	CO (PPM)	4.75	-9.00	4.75	9.30
CMP	1	Episode Day 3, 2012	8	CO (PPM)	2.56	-9.00	2.56	10.70
CMP	1	Episode Day 3, 2012	9	CO (PPM)	2.37	-9.00	2.37	7.20
CMP	1	Episode Day 3, 2012	10	CO (PPM)	2.15	-9.00	2.15	5.10
CMP	1	Episode Day 3, 2012	11	CO (PPM)	1.46	-9.00	1.46	3.60
CMP	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
CMP	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	2.40
CMP	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	10.10
CMP	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	12.90
CMP	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
CMP	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	4.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	2.90
CMP	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	4.50
WBY	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	4.00
WBY	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
WBY	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
WBY	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	1.70
WBY	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	1.20
WBY	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.50
WBY	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	4.30
WBY	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	4.60
WBY	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	2.10
WBY	1	Episode Day 1, 2012	22	CO (PPM)	1.13	-9.00	1.13	1.50
WBY	1	Episode Day 1, 2012	23	CO (PPM)	1.36	-9.00	1.36	1.90
WBY	1	Episode Day 2, 2012	0	CO (PPM)	1.52	-9.00	1.52	4.30
WBY	1	Episode Day 2, 2012	1	CO (PPM)	1.42	-9.00	1.42	3.40
WBY	1	Episode Day 2, 2012	2	CO (PPM)	1.33	-9.00	1.33	2.20
WBY	1	Episode Day 2, 2012	3	CO (PPM)	1.14	-9.00	1.14	1.60
WBY	1	Episode Day 2, 2012	4	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2012	5	CO (PPM)	0.84	-9.00	0.84	1.40
WBY	1	Episode Day 2, 2012	6	CO (PPM)	0.98	-9.00	0.98	1.70
WBY	1	Episode Day 2, 2012	7	CO (PPM)	1.51	-9.00	1.51	5.70
WBY	1	Episode Day 2, 2012	8	CO (PPM)	1.00	-9.00	1.00	6.90
WBY	1	Episode Day 2, 2012	9	CO (PPM)	0.95	-9.00	0.95	4.90
WBY	1	Episode Day 2, 2012	10	CO (PPM)	1.08	-9.00	1.08	2.50
WBY	1	Episode Day 2, 2012	11	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2012	12	CO (PPM)	0.75	-9.00	0.75	0.90
WBY	1	Episode Day 2, 2012	13	CO (PPM)	0.61	-9.00	0.61	0.90
WBY	1	Episode Day 2, 2012	14	CO (PPM)	0.60	-9.00	0.60	1.00
WBY	1	Episode Day 2, 2012	15	CO (PPM)	0.82	-9.00	0.82	1.20
WBY	1	Episode Day 2, 2012	16	CO (PPM)	1.56	-9.00	1.56	2.60
WBY	1	Episode Day 2, 2012	17	CO (PPM)	2.60	-9.00	2.60	9.50
WBY	1	Episode Day 2, 2012	18	CO (PPM)	3.64	-9.00	3.64	13.40
WBY	1	Episode Day 2, 2012	19	CO (PPM)	2.77	-9.00	2.77	9.40
WBY	1	Episode Day 2, 2012	20	CO (PPM)	3.74	-9.00	3.74	7.70
WBY	1	Episode Day 2, 2012	21	CO (PPM)	5.12	-9.00	5.12	6.30
WBY	1	Episode Day 2, 2012	22	CO (PPM)	5.17	-9.00	5.17	7.30
WBY	1	Episode Day 2, 2012	23	CO (PPM)	5.21	-9.00	5.21	8.50
WBY	1	Episode Day 3, 2012	0	CO (PPM)	4.47	-9.00	4.47	9.40
WBY	1	Episode Day 3, 2012	1	CO (PPM)	2.63	-9.00	2.63	7.30
WBY	1	Episode Day 3, 2012	2	CO (PPM)	1.35	-9.00	1.35	3.00
WBY	1	Episode Day 3, 2012	3	CO (PPM)	0.81	-9.00	0.81	1.70
WBY	1	Episode Day 3, 2012	4	CO (PPM)	0.65	-9.00	0.65	1.60
WBY	1	Episode Day 3, 2012	5	CO (PPM)	0.71	-9.00	0.71	1.70
WBY	1	Episode Day 3, 2012	6	CO (PPM)	0.80	-9.00	0.80	2.80
WBY	1	Episode Day 3, 2012	7	CO (PPM)	1.04	-9.00	1.04	2.80
WBY	1	Episode Day 3, 2012	8	CO (PPM)	1.02	-9.00	1.02	-9.00
WBY	1	Episode Day 3, 2012	9	CO (PPM)	1.17	-9.00	1.17	3.60
WBY	1	Episode Day 3, 2012	10	CO (PPM)	1.15	-9.00	1.15	2.70
WBY	1	Episode Day 3, 2012	11	CO (PPM)	0.92	-9.00	0.92	0.60
WBY	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
WBY	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	6.10
WBY	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	6.00
WBY	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	4.40
CRG	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	4.80

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
CRG	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	3.90
CRG	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
CRG	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.70
CRG	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	2.70
CRG	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
CRG	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
CRG	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
CRG	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
CRG	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.50
CRG	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CRG	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
CRG	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
CRG	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	8.00
CRG	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	10.80
CRG	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	3.40
CRG	1	Episode Day 1, 2012	22	CO (PPM)	1.68	-9.00	1.68	3.50
CRG	1	Episode Day 1, 2012	23	CO (PPM)	1.92	-9.00	1.92	3.30
CRG	1	Episode Day 2, 2012	0	CO (PPM)	2.28	-9.00	2.28	3.70
CRG	1	Episode Day 2, 2012	1	CO (PPM)	2.28	-9.00	2.28	4.90
CRG	1	Episode Day 2, 2012	2	CO (PPM)	1.43	-9.00	1.43	3.50
CRG	1	Episode Day 2, 2012	3	CO (PPM)	0.75	-9.00	0.75	2.50
CRG	1	Episode Day 2, 2012	4	CO (PPM)	0.58	-9.00	0.58	2.60
CRG	1	Episode Day 2, 2012	5	CO (PPM)	0.63	-9.00	0.63	2.70
CRG	1	Episode Day 2, 2012	6	CO (PPM)	0.81	-9.00	0.81	5.80
CRG	1	Episode Day 2, 2012	7	CO (PPM)	1.76	-9.00	1.76	10.10
CRG	1	Episode Day 2, 2012	8	CO (PPM)	1.05	-9.00	1.05	10.50
CRG	1	Episode Day 2, 2012	9	CO (PPM)	0.90	-9.00	0.90	4.00
CRG	1	Episode Day 2, 2012	10	CO (PPM)	0.79	-9.00	0.79	1.90
CRG	1	Episode Day 2, 2012	11	CO (PPM)	0.81	-9.00	0.81	1.20
CRG	1	Episode Day 2, 2012	12	CO (PPM)	1.08	-9.00	1.08	1.50
CRG	1	Episode Day 2, 2012	13	CO (PPM)	1.20	-9.00	1.20	1.30
CRG	1	Episode Day 2, 2012	14	CO (PPM)	1.37	-9.00	1.37	1.60
CRG	1	Episode Day 2, 2012	15	CO (PPM)	1.79	-9.00	1.79	0.80
CRG	1	Episode Day 2, 2012	16	CO (PPM)	3.94	-9.00	3.94	6.40
CRG	1	Episode Day 2, 2012	17	CO (PPM)	4.99	-9.00	4.99	9.50
CRG	1	Episode Day 2, 2012	18	CO (PPM)	5.33	-9.00	5.33	13.70
CRG	1	Episode Day 2, 2012	19	CO (PPM)	5.11	-9.00	5.11	16.30
CRG	1	Episode Day 2, 2012	20	CO (PPM)	4.31	-9.00	4.31	12.80
CRG	1	Episode Day 2, 2012	21	CO (PPM)	3.37	-9.00	3.37	7.10
CRG	1	Episode Day 2, 2012	22	CO (PPM)	2.65	-9.00	2.65	4.90
CRG	1	Episode Day 2, 2012	23	CO (PPM)	2.02	-9.00	2.02	8.60
CRG	1	Episode Day 3, 2012	0	CO (PPM)	1.65	-9.00	1.65	10.10
CRG	1	Episode Day 3, 2012	1	CO (PPM)	1.47	-9.00	1.47	4.30
CRG	1	Episode Day 3, 2012	2	CO (PPM)	1.14	-9.00	1.14	5.40
CRG	1	Episode Day 3, 2012	3	CO (PPM)	0.72	-9.00	0.72	3.90
CRG	1	Episode Day 3, 2012	4	CO (PPM)	0.56	-9.00	0.56	1.90
CRG	1	Episode Day 3, 2012	5	CO (PPM)	0.72	-9.00	0.72	3.00
CRG	1	Episode Day 3, 2012	6	CO (PPM)	1.41	-9.00	1.41	3.10
CRG	1	Episode Day 3, 2012	7	CO (PPM)	2.82	-9.00	2.82	6.10
CRG	1	Episode Day 3, 2012	8	CO (PPM)	1.36	-9.00	1.36	5.10
CRG	1	Episode Day 3, 2012	9	CO (PPM)	1.23	-9.00	1.23	4.10
CRG	1	Episode Day 3, 2012	10	CO (PPM)	0.94	-9.00	0.94	1.50
CRG	1	Episode Day 3, 2012	11	CO (PPM)	0.84	-9.00	0.84	-9.00
CRG	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
CRG	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
CRG	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
CRG	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
CRG	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	7.00
CRG	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	9.50
CRG	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	12.40
CRG	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	10.10
CRG	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	7.90
CRG	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	7.40
CRG	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	7.70
NJH	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	2.30
NJH	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	1.50
NJH	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	1.40
NJH	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	1.30

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	2.00
NJH	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	2.00
NJH	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	2.10
NJH	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.60
NJH	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
NJH	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.90
NJH	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	8.80
NJH	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	2.60
NJH	1	Episode Day 1, 2012	22	CO (PPM)	1.16	-9.00	1.16	2.40
NJH	1	Episode Day 1, 2012	23	CO (PPM)	1.30	-9.00	1.30	2.00
NJH	1	Episode Day 2, 2012	0	CO (PPM)	1.16	-9.00	1.16	2.30
NJH	1	Episode Day 2, 2012	1	CO (PPM)	0.70	-9.00	0.70	1.30
NJH	1	Episode Day 2, 2012	2	CO (PPM)	0.48	-9.00	0.48	1.20
NJH	1	Episode Day 2, 2012	3	CO (PPM)	0.47	-9.00	0.47	1.10
NJH	1	Episode Day 2, 2012	4	CO (PPM)	0.50	-9.00	0.50	0.90
NJH	1	Episode Day 2, 2012	5	CO (PPM)	0.51	-9.00	0.51	1.60
NJH	1	Episode Day 2, 2012	6	CO (PPM)	0.73	-9.00	0.73	3.30
NJH	1	Episode Day 2, 2012	7	CO (PPM)	1.86	-9.00	1.86	6.40
NJH	1	Episode Day 2, 2012	8	CO (PPM)	1.28	-9.00	1.28	6.10
NJH	1	Episode Day 2, 2012	9	CO (PPM)	0.96	-9.00	0.96	3.20
NJH	1	Episode Day 2, 2012	10	CO (PPM)	0.62	-9.00	0.62	2.80
NJH	1	Episode Day 2, 2012	11	CO (PPM)	0.65	-9.00	0.65	2.00
NJH	1	Episode Day 2, 2012	12	CO (PPM)	0.70	-9.00	0.70	2.00
NJH	1	Episode Day 2, 2012	13	CO (PPM)	0.75	-9.00	0.75	2.70
NJH	1	Episode Day 2, 2012	14	CO (PPM)	1.14	-9.00	1.14	3.20
NJH	1	Episode Day 2, 2012	15	CO (PPM)	1.72	-9.00	1.72	4.60
NJH	1	Episode Day 2, 2012	16	CO (PPM)	3.50	-9.00	3.50	19.70
NJH	1	Episode Day 2, 2012	17	CO (PPM)	4.58	-9.00	4.58	22.90
NJH	1	Episode Day 2, 2012	18	CO (PPM)	5.29	-9.00	5.29	19.70
NJH	1	Episode Day 2, 2012	19	CO (PPM)	6.39	-9.00	6.39	8.60
NJH	1	Episode Day 2, 2012	20	CO (PPM)	2.70	-9.00	2.70	6.20
NJH	1	Episode Day 2, 2012	21	CO (PPM)	1.37	-9.00	1.37	4.40
NJH	1	Episode Day 2, 2012	22	CO (PPM)	1.38	-9.00	1.38	4.10
NJH	1	Episode Day 2, 2012	23	CO (PPM)	1.13	-9.00	1.13	3.20
NJH	1	Episode Day 3, 2012	0	CO (PPM)	0.79	-9.00	0.79	2.30
NJH	1	Episode Day 3, 2012	1	CO (PPM)	0.63	-9.00	0.63	1.20
NJH	1	Episode Day 3, 2012	2	CO (PPM)	0.48	-9.00	0.48	1.30
NJH	1	Episode Day 3, 2012	3	CO (PPM)	0.34	-9.00	0.34	0.80
NJH	1	Episode Day 3, 2012	4	CO (PPM)	0.36	-9.00	0.36	0.70
NJH	1	Episode Day 3, 2012	5	CO (PPM)	0.48	-9.00	0.48	1.60
NJH	1	Episode Day 3, 2012	6	CO (PPM)	0.78	-9.00	0.78	2.90
NJH	1	Episode Day 3, 2012	7	CO (PPM)	2.01	-9.00	2.01	7.00
NJH	1	Episode Day 3, 2012	8	CO (PPM)	1.26	-9.00	1.26	5.70
NJH	1	Episode Day 3, 2012	9	CO (PPM)	1.01	-9.00	1.01	4.90
NJH	1	Episode Day 3, 2012	10	CO (PPM)	0.86	-9.00	0.86	3.60
NJH	1	Episode Day 3, 2012	11	CO (PPM)	0.83	-9.00	0.83	1.30
NJH	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
NJH	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
NJH	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
NJH	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	4.40
NJH	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	6.60
NJH	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	5.10
NJH	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	6.90
NJH	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	5.50
NJH	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	3.60
NJH	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	2.40
TIV	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2012	22	CO (PPM)	1.41	-9.00	1.41	-9.00
TIV	1	Episode Day 1, 2012	23	CO (PPM)	1.72	-9.00	1.72	-9.00
TIV	1	Episode Day 2, 2012	0	CO (PPM)	2.07	-9.00	2.07	-9.00
TIV	1	Episode Day 2, 2012	1	CO (PPM)	1.76	-9.00	1.76	-9.00
TIV	1	Episode Day 2, 2012	2	CO (PPM)	0.88	-9.00	0.88	-9.00
TIV	1	Episode Day 2, 2012	3	CO (PPM)	0.64	-9.00	0.64	-9.00
TIV	1	Episode Day 2, 2012	4	CO (PPM)	0.64	-9.00	0.64	-9.00
TIV	1	Episode Day 2, 2012	5	CO (PPM)	0.69	-9.00	0.69	-9.00
TIV	1	Episode Day 2, 2012	6	CO (PPM)	0.90	-9.00	0.90	-9.00
TIV	1	Episode Day 2, 2012	7	CO (PPM)	2.57	-9.00	2.57	-9.00
TIV	1	Episode Day 2, 2012	8	CO (PPM)	1.40	-9.00	1.40	-9.00
TIV	1	Episode Day 2, 2012	9	CO (PPM)	0.99	-9.00	0.99	-9.00
TIV	1	Episode Day 2, 2012	10	CO (PPM)	0.87	-9.00	0.87	-9.00
TIV	1	Episode Day 2, 2012	11	CO (PPM)	1.13	-9.00	1.13	-9.00
TIV	1	Episode Day 2, 2012	12	CO (PPM)	1.51	-9.00	1.51	-9.00
TIV	1	Episode Day 2, 2012	13	CO (PPM)	1.64	-9.00	1.64	-9.00
TIV	1	Episode Day 2, 2012	14	CO (PPM)	1.85	-9.00	1.85	-9.00
TIV	1	Episode Day 2, 2012	15	CO (PPM)	2.87	-9.00	2.87	-9.00
TIV	1	Episode Day 2, 2012	16	CO (PPM)	8.90	-9.00	8.90	-9.00
TIV	1	Episode Day 2, 2012	17	CO (PPM)	14.31	-9.00	14.31	-9.00
TIV	1	Episode Day 2, 2012	18	CO (PPM)	14.38	-9.00	14.38	-9.00
TIV	1	Episode Day 2, 2012	19	CO (PPM)	8.33	-9.00	8.33	-9.00
TIV	1	Episode Day 2, 2012	20	CO (PPM)	3.85	-9.00	3.85	-9.00
TIV	1	Episode Day 2, 2012	21	CO (PPM)	3.06	-9.00	3.06	-9.00
TIV	1	Episode Day 2, 2012	22	CO (PPM)	2.84	-9.00	2.84	-9.00
TIV	1	Episode Day 2, 2012	23	CO (PPM)	2.66	-9.00	2.66	-9.00
TIV	1	Episode Day 3, 2012	0	CO (PPM)	2.00	-9.00	2.00	-9.00
TIV	1	Episode Day 3, 2012	1	CO (PPM)	1.49	-9.00	1.49	-9.00
TIV	1	Episode Day 3, 2012	2	CO (PPM)	1.04	-9.00	1.04	-9.00
TIV	1	Episode Day 3, 2012	3	CO (PPM)	0.58	-9.00	0.58	-9.00
TIV	1	Episode Day 3, 2012	4	CO (PPM)	0.58	-9.00	0.58	-9.00
TIV	1	Episode Day 3, 2012	5	CO (PPM)	1.19	-9.00	1.19	-9.00
TIV	1	Episode Day 3, 2012	6	CO (PPM)	2.29	-9.00	2.29	-9.00
TIV	1	Episode Day 3, 2012	7	CO (PPM)	4.97	-9.00	4.97	-9.00
TIV	1	Episode Day 3, 2012	8	CO (PPM)	2.65	-9.00	2.65	-9.00
TIV	1	Episode Day 3, 2012	9	CO (PPM)	2.22	-9.00	2.22	-9.00
TIV	1	Episode Day 3, 2012	10	CO (PPM)	1.51	-9.00	1.51	-9.00
TIV	1	Episode Day 3, 2012	11	CO (PPM)	1.12	-9.00	1.12	-9.00
TIV	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2012	22	CO (PPM)	1.29	-9.00	1.29	-9.00
ICMP	1	Episode Day 1, 2012	23	CO (PPM)	1.81	-9.00	1.81	-9.00
ICMP	1	Episode Day 2, 2012	0	CO (PPM)	2.17	-9.00	2.17	-9.00
ICMP	1	Episode Day 2, 2012	1	CO (PPM)	1.76	-9.00	1.76	-9.00
ICMP	1	Episode Day 2, 2012	2	CO (PPM)	0.89	-9.00	0.89	-9.00
ICMP	1	Episode Day 2, 2012	3	CO (PPM)	0.78	-9.00	0.78	-9.00
ICMP	1	Episode Day 2, 2012	4	CO (PPM)	0.80	-9.00	0.80	-9.00
ICMP	1	Episode Day 2, 2012	5	CO (PPM)	0.74	-9.00	0.74	-9.00
ICMP	1	Episode Day 2, 2012	6	CO (PPM)	0.95	-9.00	0.95	-9.00
ICMP	1	Episode Day 2, 2012	7	CO (PPM)	2.91	-9.00	2.91	-9.00
ICMP	1	Episode Day 2, 2012	8	CO (PPM)	1.63	-9.00	1.63	-9.00
ICMP	1	Episode Day 2, 2012	9	CO (PPM)	1.12	-9.00	1.12	-9.00
ICMP	1	Episode Day 2, 2012	10	CO (PPM)	0.98	-9.00	0.98	-9.00
ICMP	1	Episode Day 2, 2012	11	CO (PPM)	1.26	-9.00	1.26	-9.00
ICMP	1	Episode Day 2, 2012	12	CO (PPM)	1.35	-9.00	1.35	-9.00
ICMP	1	Episode Day 2, 2012	13	CO (PPM)	1.46	-9.00	1.46	-9.00
ICMP	1	Episode Day 2, 2012	14	CO (PPM)	1.89	1.84	3.73	-9.00
ICMP	1	Episode Day 2, 2012	15	CO (PPM)	3.03	1.38	4.41	-9.00
ICMP	1	Episode Day 2, 2012	16	CO (PPM)	8.79	2.99	11.78	-9.00
ICMP	1	Episode Day 2, 2012	17	CO (PPM)	13.87	2.07	15.94	-9.00
ICMP	1	Episode Day 2, 2012	18	CO (PPM)	14.68	1.15	15.83	-9.00
ICMP	1	Episode Day 2, 2012	19	CO (PPM)	11.14	0.35	11.49	-9.00
ICMP	1	Episode Day 2, 2012	20	CO (PPM)	4.56	0.35	4.91	-9.00
ICMP	1	Episode Day 2, 2012	21	CO (PPM)	3.47	0.00	3.47	-9.00
ICMP	1	Episode Day 2, 2012	22	CO (PPM)	3.59	0.46	4.05	-9.00
ICMP	1	Episode Day 2, 2012	23	CO (PPM)	3.35	0.12	3.47	-9.00
ICMP	1	Episode Day 3, 2012	0	CO (PPM)	2.31	-9.00	2.31	-9.00
ICMP	1	Episode Day 3, 2012	1	CO (PPM)	1.61	-9.00	1.61	-9.00
ICMP	1	Episode Day 3, 2012	2	CO (PPM)	1.05	-9.00	1.05	-9.00
ICMP	1	Episode Day 3, 2012	3	CO (PPM)	0.58	-9.00	0.58	-9.00
ICMP	1	Episode Day 3, 2012	4	CO (PPM)	0.62	-9.00	0.62	-9.00
ICMP	1	Episode Day 3, 2012	5	CO (PPM)	1.20	-9.00	1.20	-9.00
ICMP	1	Episode Day 3, 2012	6	CO (PPM)	2.16	-9.00	2.16	-9.00
ICMP	1	Episode Day 3, 2012	7	CO (PPM)	4.75	-9.00	4.75	-9.00
ICMP	1	Episode Day 3, 2012	8	CO (PPM)	2.56	-9.00	2.56	-9.00
ICMP	1	Episode Day 3, 2012	9	CO (PPM)	2.37	-9.00	2.37	-9.00
ICMP	1	Episode Day 3, 2012	10	CO (PPM)	2.15	-9.00	2.15	-9.00
ICMP	1	Episode Day 3, 2012	11	CO (PPM)	1.46	-9.00	1.46	-9.00
ICMP	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ENG	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.90
ENG	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	1.80
ENG	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	0.50
ENG	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.60

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ENG	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	1.50
ENG	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	4.40
ENG	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	2.40
ENG	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2012	22	CO (PPM)	0.74	-9.00	0.74	1.70
ENG	1	Episode Day 1, 2012	23	CO (PPM)	0.46	-9.00	0.46	1.20
ENG	1	Episode Day 2, 2012	0	CO (PPM)	0.34	-9.00	0.34	0.70
ENG	1	Episode Day 2, 2012	1	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2012	2	CO (PPM)	0.29	-9.00	0.29	0.50
ENG	1	Episode Day 2, 2012	3	CO (PPM)	0.28	-9.00	0.28	0.50
ENG	1	Episode Day 2, 2012	4	CO (PPM)	0.30	-9.00	0.30	0.50
ENG	1	Episode Day 2, 2012	5	CO (PPM)	0.33	-9.00	0.33	1.20
ENG	1	Episode Day 2, 2012	6	CO (PPM)	0.44	-9.00	0.44	2.40
ENG	1	Episode Day 2, 2012	7	CO (PPM)	1.00	-9.00	1.00	4.70
ENG	1	Episode Day 2, 2012	8	CO (PPM)	0.60	-9.00	0.60	4.10
ENG	1	Episode Day 2, 2012	9	CO (PPM)	0.38	-9.00	0.38	1.20
ENG	1	Episode Day 2, 2012	10	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2012	11	CO (PPM)	0.37	-9.00	0.37	0.70
ENG	1	Episode Day 2, 2012	12	CO (PPM)	0.51	-9.00	0.51	0.80
ENG	1	Episode Day 2, 2012	13	CO (PPM)	0.66	-9.00	0.66	1.10
ENG	1	Episode Day 2, 2012	14	CO (PPM)	0.82	-9.00	0.82	1.50
ENG	1	Episode Day 2, 2012	15	CO (PPM)	1.53	-9.00	1.53	2.90
ENG	1	Episode Day 2, 2012	16	CO (PPM)	3.82	-9.00	3.82	6.20
ENG	1	Episode Day 2, 2012	17	CO (PPM)	3.73	-9.00	3.73	9.40
ENG	1	Episode Day 2, 2012	18	CO (PPM)	1.39	-9.00	1.39	3.20
ENG	1	Episode Day 2, 2012	19	CO (PPM)	0.71	-9.00	0.71	1.90
ENG	1	Episode Day 2, 2012	20	CO (PPM)	0.45	-9.00	0.45	1.60
ENG	1	Episode Day 2, 2012	21	CO (PPM)	0.44	-9.00	0.44	1.80
ENG	1	Episode Day 2, 2012	22	CO (PPM)	0.44	-9.00	0.44	2.30
ENG	1	Episode Day 2, 2012	23	CO (PPM)	0.42	-9.00	0.42	1.60
ENG	1	Episode Day 3, 2012	0	CO (PPM)	0.39	-9.00	0.39	1.50
ENG	1	Episode Day 3, 2012	1	CO (PPM)	0.35	-9.00	0.35	1.00
ENG	1	Episode Day 3, 2012	2	CO (PPM)	0.28	-9.00	0.28	0.60
ENG	1	Episode Day 3, 2012	3	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2012	4	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2012	5	CO (PPM)	0.28	-9.00	0.28	0.70
ENG	1	Episode Day 3, 2012	6	CO (PPM)	0.43	-9.00	0.43	1.80
ENG	1	Episode Day 3, 2012	7	CO (PPM)	1.25	-9.00	1.25	3.50
ENG	1	Episode Day 3, 2012	8	CO (PPM)	0.58	-9.00	0.58	-9.00
ENG	1	Episode Day 3, 2012	9	CO (PPM)	0.61	-9.00	0.61	2.80
ENG	1	Episode Day 3, 2012	10	CO (PPM)	0.62	-9.00	0.62	2.00
ENG	1	Episode Day 3, 2012	11	CO (PPM)	0.68	-9.00	0.68	0.60
ENG	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ENG	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	4.30
ENG	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
ENG	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	2.10
ENG	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	1.40
ENG	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	1.10
ENG	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	1.50
BOU	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	0.40
BOU	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
BOU	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	1.40
BOU	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
BOU	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	2.70
BOU	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
BOU	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
BOU	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	1.50

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
BOU	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
BOU	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	0.40
BOU	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	0.10
BOU	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2012	22	CO (PPM)	0.98	-9.00	0.98	0.20
BOU	1	Episode Day 1, 2012	23	CO (PPM)	0.41	-9.00	0.41	0.50
BOU	1	Episode Day 2, 2012	0	CO (PPM)	0.25	-9.00	0.25	0.20
BOU	1	Episode Day 2, 2012	1	CO (PPM)	0.23	-9.00	0.23	0.20
BOU	1	Episode Day 2, 2012	2	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2012	3	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2012	4	CO (PPM)	0.24	-9.00	0.24	0.30
BOU	1	Episode Day 2, 2012	5	CO (PPM)	0.30	-9.00	0.30	0.60
BOU	1	Episode Day 2, 2012	6	CO (PPM)	0.52	-9.00	0.52	1.20
BOU	1	Episode Day 2, 2012	7	CO (PPM)	0.85	-9.00	0.85	2.60
BOU	1	Episode Day 2, 2012	8	CO (PPM)	0.41	-9.00	0.41	2.20
BOU	1	Episode Day 2, 2012	9	CO (PPM)	0.50	-9.00	0.50	4.20
BOU	1	Episode Day 2, 2012	10	CO (PPM)	0.65	-9.00	0.65	2.90
BOU	1	Episode Day 2, 2012	11	CO (PPM)	0.65	-9.00	0.65	1.30
BOU	1	Episode Day 2, 2012	12	CO (PPM)	0.63	-9.00	0.63	1.40
BOU	1	Episode Day 2, 2012	13	CO (PPM)	0.57	-9.00	0.57	1.20
BOU	1	Episode Day 2, 2012	14	CO (PPM)	0.78	-9.00	0.78	1.20
BOU	1	Episode Day 2, 2012	15	CO (PPM)	1.47	-9.00	1.47	1.90
BOU	1	Episode Day 2, 2012	16	CO (PPM)	1.15	-9.00	1.15	2.00
BOU	1	Episode Day 2, 2012	17	CO (PPM)	0.63	-9.00	0.63	1.30
BOU	1	Episode Day 2, 2012	18	CO (PPM)	0.50	-9.00	0.50	1.10
BOU	1	Episode Day 2, 2012	19	CO (PPM)	0.51	-9.00	0.51	6.50
BOU	1	Episode Day 2, 2012	20	CO (PPM)	0.40	-9.00	0.40	1.60
BOU	1	Episode Day 2, 2012	21	CO (PPM)	0.35	-9.00	0.35	1.30
BOU	1	Episode Day 2, 2012	22	CO (PPM)	0.28	-9.00	0.28	0.80
BOU	1	Episode Day 2, 2012	23	CO (PPM)	0.26	-9.00	0.26	0.40
BOU	1	Episode Day 3, 2012	0	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2012	1	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2012	2	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2012	3	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2012	4	CO (PPM)	0.25	-9.00	0.25	0.10
BOU	1	Episode Day 3, 2012	5	CO (PPM)	0.24	-9.00	0.24	0.40
BOU	1	Episode Day 3, 2012	6	CO (PPM)	0.45	-9.00	0.45	0.80
BOU	1	Episode Day 3, 2012	7	CO (PPM)	0.90	-9.00	0.90	4.00
BOU	1	Episode Day 3, 2012	8	CO (PPM)	0.46	-9.00	0.46	2.30
BOU	1	Episode Day 3, 2012	9	CO (PPM)	0.40	-9.00	0.40	2.90
BOU	1	Episode Day 3, 2012	10	CO (PPM)	0.31	-9.00	0.31	0.70
BOU	1	Episode Day 3, 2012	11	CO (PPM)	0.36	-9.00	0.36	0.90
BOU	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.30
BOU	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	3.50
BOU	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	0.70
GRDS	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	2.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2012	22	CO (PPM)	1.27	-9.00	1.27	4.00
GRDS	1	Episode Day 1, 2012	23	CO (PPM)	0.50	-9.00	0.50	3.00
GRDS	1	Episode Day 2, 2012	0	CO (PPM)	0.26	-9.00	0.26	0.80
GRDS	1	Episode Day 2, 2012	1	CO (PPM)	0.24	-9.00	0.24	0.50
GRDS	1	Episode Day 2, 2012	2	CO (PPM)	0.24	-9.00	0.24	0.70
GRDS	1	Episode Day 2, 2012	3	CO (PPM)	0.24	-9.00	0.24	0.90
GRDS	1	Episode Day 2, 2012	4	CO (PPM)	0.25	-9.00	0.25	1.10
GRDS	1	Episode Day 2, 2012	5	CO (PPM)	0.30	-9.00	0.30	1.50
GRDS	1	Episode Day 2, 2012	6	CO (PPM)	0.57	-9.00	0.57	5.30
GRDS	1	Episode Day 2, 2012	7	CO (PPM)	1.14	-9.00	1.14	16.30
GRDS	1	Episode Day 2, 2012	8	CO (PPM)	0.54	-9.00	0.54	16.60
GRDS	1	Episode Day 2, 2012	9	CO (PPM)	0.58	-9.00	0.58	6.10
GRDS	1	Episode Day 2, 2012	10	CO (PPM)	0.76	-9.00	0.76	2.00
GRDS	1	Episode Day 2, 2012	11	CO (PPM)	0.74	-9.00	0.74	1.80
GRDS	1	Episode Day 2, 2012	12	CO (PPM)	0.63	-9.00	0.63	1.80
GRDS	1	Episode Day 2, 2012	13	CO (PPM)	0.58	-9.00	0.58	-9.00
GRDS	1	Episode Day 2, 2012	14	CO (PPM)	0.81	-9.00	0.81	2.40
GRDS	1	Episode Day 2, 2012	15	CO (PPM)	1.56	-9.00	1.56	3.50
GRDS	1	Episode Day 2, 2012	16	CO (PPM)	1.57	-9.00	1.57	4.70
GRDS	1	Episode Day 2, 2012	17	CO (PPM)	0.82	-9.00	0.82	10.00
GRDS	1	Episode Day 2, 2012	18	CO (PPM)	0.62	-9.00	0.62	13.20
GRDS	1	Episode Day 2, 2012	19	CO (PPM)	0.61	-9.00	0.61	14.00
GRDS	1	Episode Day 2, 2012	20	CO (PPM)	0.48	-9.00	0.48	10.60
GRDS	1	Episode Day 2, 2012	21	CO (PPM)	0.39	-9.00	0.39	7.30
GRDS	1	Episode Day 2, 2012	22	CO (PPM)	0.30	-9.00	0.30	3.30
GRDS	1	Episode Day 2, 2012	23	CO (PPM)	0.27	-9.00	0.27	2.30
GRDS	1	Episode Day 3, 2012	0	CO (PPM)	0.26	-9.00	0.26	1.00
GRDS	1	Episode Day 3, 2012	1	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2012	2	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2012	3	CO (PPM)	0.25	-9.00	0.25	0.00
GRDS	1	Episode Day 3, 2012	4	CO (PPM)	0.26	-9.00	0.26	0.00
GRDS	1	Episode Day 3, 2012	5	CO (PPM)	0.24	-9.00	0.24	1.00
GRDS	1	Episode Day 3, 2012	6	CO (PPM)	0.43	-9.00	0.43	2.00
GRDS	1	Episode Day 3, 2012	7	CO (PPM)	1.01	-9.00	1.01	9.00
GRDS	1	Episode Day 3, 2012	8	CO (PPM)	0.54	-9.00	0.54	8.00
GRDS	1	Episode Day 3, 2012	9	CO (PPM)	0.49	-9.00	0.49	4.00
GRDS	1	Episode Day 3, 2012	10	CO (PPM)	0.32	-9.00	0.32	1.00
GRDS	1	Episode Day 3, 2012	11	CO (PPM)	0.37	-9.00	0.37	1.00
GRDS	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
GRDS	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	9.00
GRDS	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	7.00
GRDS	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	2.70
ARV	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	3.30
ARV	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	4.20
ARV	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	2.00
ARV	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.70
ARV	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.90
ARV	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.50
ARV	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	1.30
ARV	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.20
ARV	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ARV	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	3.70
ARV	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	4.50
ARV	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	6.50

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	1	Episode Day 1, 2012	22	CO (PPM)	2.70	-9.00	2.70	5.40
ARV	1	Episode Day 1, 2012	23	CO (PPM)	2.42	-9.00	2.42	2.40
ARV	1	Episode Day 2, 2012	0	CO (PPM)	1.20	-9.00	1.20	1.70
ARV	1	Episode Day 2, 2012	1	CO (PPM)	0.69	-9.00	0.69	1.30
ARV	1	Episode Day 2, 2012	2	CO (PPM)	0.90	-9.00	0.90	1.50
ARV	1	Episode Day 2, 2012	3	CO (PPM)	0.62	-9.00	0.62	1.40
ARV	1	Episode Day 2, 2012	4	CO (PPM)	0.37	-9.00	0.37	1.20
ARV	1	Episode Day 2, 2012	5	CO (PPM)	0.36	-9.00	0.36	1.80
ARV	1	Episode Day 2, 2012	6	CO (PPM)	0.43	-9.00	0.43	3.80
ARV	1	Episode Day 2, 2012	7	CO (PPM)	0.74	-9.00	0.74	9.60
ARV	1	Episode Day 2, 2012	8	CO (PPM)	0.63	-9.00	0.63	11.00
ARV	1	Episode Day 2, 2012	9	CO (PPM)	0.76	-9.00	0.76	6.60
ARV	1	Episode Day 2, 2012	10	CO (PPM)	0.75	-9.00	0.75	4.40
ARV	1	Episode Day 2, 2012	11	CO (PPM)	0.83	-9.00	0.83	2.20
ARV	1	Episode Day 2, 2012	12	CO (PPM)	0.96	-9.00	0.96	1.70
ARV	1	Episode Day 2, 2012	13	CO (PPM)	1.03	-9.00	1.03	1.60
ARV	1	Episode Day 2, 2012	14	CO (PPM)	1.19	-9.00	1.19	1.70
ARV	1	Episode Day 2, 2012	15	CO (PPM)	1.52	-9.00	1.52	2.60
ARV	1	Episode Day 2, 2012	16	CO (PPM)	2.93	-9.00	2.93	5.20
ARV	1	Episode Day 2, 2012	17	CO (PPM)	2.18	-9.00	2.18	6.30
ARV	1	Episode Day 2, 2012	18	CO (PPM)	0.95	-9.00	0.95	6.20
ARV	1	Episode Day 2, 2012	19	CO (PPM)	0.53	-9.00	0.53	6.00
ARV	1	Episode Day 2, 2012	20	CO (PPM)	0.44	-9.00	0.44	5.10
ARV	1	Episode Day 2, 2012	21	CO (PPM)	0.45	-9.00	0.45	4.10
ARV	1	Episode Day 2, 2012	22	CO (PPM)	0.43	-9.00	0.43	3.20
ARV	1	Episode Day 2, 2012	23	CO (PPM)	0.37	-9.00	0.37	2.30
ARV	1	Episode Day 3, 2012	0	CO (PPM)	0.33	-9.00	0.33	1.50
ARV	1	Episode Day 3, 2012	1	CO (PPM)	0.31	-9.00	0.31	1.20
ARV	1	Episode Day 3, 2012	2	CO (PPM)	0.30	-9.00	0.30	1.10
ARV	1	Episode Day 3, 2012	3	CO (PPM)	0.28	-9.00	0.28	0.90
ARV	1	Episode Day 3, 2012	4	CO (PPM)	0.25	-9.00	0.25	0.60
ARV	1	Episode Day 3, 2012	5	CO (PPM)	0.28	-9.00	0.28	1.10
ARV	1	Episode Day 3, 2012	6	CO (PPM)	0.58	-9.00	0.58	2.90
ARV	1	Episode Day 3, 2012	7	CO (PPM)	1.33	-9.00	1.33	8.20
ARV	1	Episode Day 3, 2012	8	CO (PPM)	0.75	-9.00	0.75	7.30
ARV	1	Episode Day 3, 2012	9	CO (PPM)	0.75	-9.00	0.75	4.50
ARV	1	Episode Day 3, 2012	10	CO (PPM)	0.73	-9.00	0.73	-9.00
ARV	1	Episode Day 3, 2012	11	CO (PPM)	0.76	-9.00	0.76	1.00
ARV	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
ARV	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	5.50
ARV	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	5.20
ARV	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	4.80
ARV	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	4.30
ARV	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	2.00
HLD	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	1.20
HLD	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
HLD	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2012	22	CO (PPM)	0.25	-9.00	0.25	0.30
HLD	1	Episode Day 1, 2012	23	CO (PPM)	0.24	-9.00	0.24	0.20
HLD	1	Episode Day 2, 2012	0	CO (PPM)	0.23	-9.00	0.23	0.20

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	1	Episode Day 2, 2012	1	CO (PPM)	0.22	-9.00	0.22	0.20
HLD	1	Episode Day 2, 2012	2	CO (PPM)	0.21	-9.00	0.21	0.10
HLD	1	Episode Day 2, 2012	3	CO (PPM)	0.21	-9.00	0.21	0.20
HLD	1	Episode Day 2, 2012	4	CO (PPM)	0.22	-9.00	0.22	0.10
HLD	1	Episode Day 2, 2012	5	CO (PPM)	0.23	-9.00	0.23	0.10
HLD	1	Episode Day 2, 2012	6	CO (PPM)	0.28	-9.00	0.28	0.10
HLD	1	Episode Day 2, 2012	7	CO (PPM)	0.39	-9.00	0.39	0.10
HLD	1	Episode Day 2, 2012	8	CO (PPM)	0.27	-9.00	0.27	0.00
HLD	1	Episode Day 2, 2012	9	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2012	10	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2012	11	CO (PPM)	0.24	-9.00	0.24	0.00
HLD	1	Episode Day 2, 2012	12	CO (PPM)	0.40	-9.00	0.40	0.00
HLD	1	Episode Day 2, 2012	13	CO (PPM)	0.47	-9.00	0.47	0.00
HLD	1	Episode Day 2, 2012	14	CO (PPM)	0.62	-9.00	0.62	0.00
HLD	1	Episode Day 2, 2012	15	CO (PPM)	1.05	-9.00	1.05	0.70
HLD	1	Episode Day 2, 2012	16	CO (PPM)	2.55	-9.00	2.55	4.00
HLD	1	Episode Day 2, 2012	17	CO (PPM)	3.20	-9.00	3.20	4.40
HLD	1	Episode Day 2, 2012	18	CO (PPM)	1.09	-9.00	1.09	1.60
HLD	1	Episode Day 2, 2012	19	CO (PPM)	0.39	-9.00	0.39	0.70
HLD	1	Episode Day 2, 2012	20	CO (PPM)	0.30	-9.00	0.30	0.50
HLD	1	Episode Day 2, 2012	21	CO (PPM)	0.28	-9.00	0.28	0.30
HLD	1	Episode Day 2, 2012	22	CO (PPM)	0.26	-9.00	0.26	0.30
HLD	1	Episode Day 2, 2012	23	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2012	0	CO (PPM)	0.25	-9.00	0.25	0.40
HLD	1	Episode Day 3, 2012	1	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2012	2	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2012	3	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2012	4	CO (PPM)	0.22	-9.00	0.22	0.40
HLD	1	Episode Day 3, 2012	5	CO (PPM)	0.24	-9.00	0.24	0.30
HLD	1	Episode Day 3, 2012	6	CO (PPM)	0.31	-9.00	0.31	0.30
HLD	1	Episode Day 3, 2012	7	CO (PPM)	0.89	-9.00	0.89	1.90
HLD	1	Episode Day 3, 2012	8	CO (PPM)	0.72	-9.00	0.72	2.00
HLD	1	Episode Day 3, 2012	9	CO (PPM)	0.68	-9.00	0.68	1.10
HLD	1	Episode Day 3, 2012	10	CO (PPM)	0.47	-9.00	0.47	0.00
HLD	1	Episode Day 3, 2012	11	CO (PPM)	0.39	-9.00	0.39	0.00
HLD	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
HLD	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	1.80
AUR	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2012	22	CO (PPM)	0.78	-9.00	0.78	-9.00
AUR	1	Episode Day 1, 2012	23	CO (PPM)	0.79	-9.00	0.79	-9.00
AUR	1	Episode Day 2, 2012	0	CO (PPM)	0.69	-9.00	0.69	-9.00
AUR	1	Episode Day 2, 2012	1	CO (PPM)	0.44	-9.00	0.44	-9.00
AUR	1	Episode Day 2, 2012	2	CO (PPM)	0.34	-9.00	0.34	-9.00
AUR	1	Episode Day 2, 2012	3	CO (PPM)	0.31	-9.00	0.31	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	1	Episode Day 2, 2012	4	CO (PPM)	0.33	-9.00	0.33	-9.00
AUR	1	Episode Day 2, 2012	5	CO (PPM)	0.37	-9.00	0.37	-9.00
AUR	1	Episode Day 2, 2012	6	CO (PPM)	0.54	-9.00	0.54	-9.00
AUR	1	Episode Day 2, 2012	7	CO (PPM)	1.16	-9.00	1.16	-9.00
AUR	1	Episode Day 2, 2012	8	CO (PPM)	0.90	-9.00	0.90	-9.00
AUR	1	Episode Day 2, 2012	9	CO (PPM)	0.63	-9.00	0.63	-9.00
AUR	1	Episode Day 2, 2012	10	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2012	11	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2012	12	CO (PPM)	0.46	-9.00	0.46	-9.00
AUR	1	Episode Day 2, 2012	13	CO (PPM)	0.54	-9.00	0.54	-9.00
AUR	1	Episode Day 2, 2012	14	CO (PPM)	0.77	-9.00	0.77	-9.00
AUR	1	Episode Day 2, 2012	15	CO (PPM)	1.23	-9.00	1.23	-9.00
AUR	1	Episode Day 2, 2012	16	CO (PPM)	2.36	-9.00	2.36	-9.00
AUR	1	Episode Day 2, 2012	17	CO (PPM)	2.96	-9.00	2.96	-9.00
AUR	1	Episode Day 2, 2012	18	CO (PPM)	3.22	-9.00	3.22	-9.00
AUR	1	Episode Day 2, 2012	19	CO (PPM)	4.09	-9.00	4.09	-9.00
AUR	1	Episode Day 2, 2012	20	CO (PPM)	3.96	-9.00	3.96	-9.00
AUR	1	Episode Day 2, 2012	21	CO (PPM)	1.27	-9.00	1.27	-9.00
AUR	1	Episode Day 2, 2012	22	CO (PPM)	0.93	-9.00	0.93	-9.00
AUR	1	Episode Day 2, 2012	23	CO (PPM)	0.70	-9.00	0.70	-9.00
AUR	1	Episode Day 3, 2012	0	CO (PPM)	0.50	-9.00	0.50	-9.00
AUR	1	Episode Day 3, 2012	1	CO (PPM)	0.38	-9.00	0.38	-9.00
AUR	1	Episode Day 3, 2012	2	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2012	3	CO (PPM)	0.27	-9.00	0.27	-9.00
AUR	1	Episode Day 3, 2012	4	CO (PPM)	0.28	-9.00	0.28	-9.00
AUR	1	Episode Day 3, 2012	5	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2012	6	CO (PPM)	0.47	-9.00	0.47	-9.00
AUR	1	Episode Day 3, 2012	7	CO (PPM)	1.06	-9.00	1.06	-9.00
AUR	1	Episode Day 3, 2012	8	CO (PPM)	0.66	-9.00	0.66	-9.00
AUR	1	Episode Day 3, 2012	9	CO (PPM)	0.59	-9.00	0.59	-9.00
AUR	1	Episode Day 3, 2012	10	CO (PPM)	0.58	-9.00	0.58	-9.00
AUR	1	Episode Day 3, 2012	11	CO (PPM)	0.53	-9.00	0.53	-9.00
AUR	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AURS	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
AURS	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	2.20
AURS	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
AURS	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	3.70
AURS	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
AURS	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2012	22	CO (PPM)	0.56	-9.00	0.56	1.00
AURS	1	Episode Day 1, 2012	23	CO (PPM)	0.53	-9.00	0.53	0.90
AURS	1	Episode Day 2, 2012	0	CO (PPM)	0.40	-9.00	0.40	0.80
AURS	1	Episode Day 2, 2012	1	CO (PPM)	0.31	-9.00	0.31	0.50
AURS	1	Episode Day 2, 2012	2	CO (PPM)	0.27	-9.00	0.27	0.30
AURS	1	Episode Day 2, 2012	3	CO (PPM)	0.26	-9.00	0.26	0.30
AURS	1	Episode Day 2, 2012	4	CO (PPM)	0.28	-9.00	0.28	0.30
AURS	1	Episode Day 2, 2012	5	CO (PPM)	0.32	-9.00	0.32	0.90
AURS	1	Episode Day 2, 2012	6	CO (PPM)	0.54	-9.00	0.54	2.80

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	1	Episode Day 2, 2012	7	CO (PPM)	1.09	-9.00	1.09	3.90
AURS	1	Episode Day 2, 2012	8	CO (PPM)	0.65	-9.00	0.65	2.70
AURS	1	Episode Day 2, 2012	9	CO (PPM)	0.37	-9.00	0.37	2.30
AURS	1	Episode Day 2, 2012	10	CO (PPM)	0.31	-9.00	0.31	2.10
AURS	1	Episode Day 2, 2012	11	CO (PPM)	0.35	-9.00	0.35	2.70
AURS	1	Episode Day 2, 2012	12	CO (PPM)	0.48	-9.00	0.48	2.30
AURS	1	Episode Day 2, 2012	13	CO (PPM)	0.62	-9.00	0.62	2.50
AURS	1	Episode Day 2, 2012	14	CO (PPM)	0.83	-9.00	0.83	1.70
AURS	1	Episode Day 2, 2012	15	CO (PPM)	1.34	-9.00	1.34	2.60
AURS	1	Episode Day 2, 2012	16	CO (PPM)	3.55	-9.00	3.55	5.30
AURS	1	Episode Day 2, 2012	17	CO (PPM)	5.76	-9.00	5.76	11.20
AURS	1	Episode Day 2, 2012	18	CO (PPM)	6.21	-9.00	6.21	5.60
AURS	1	Episode Day 2, 2012	19	CO (PPM)	3.82	-9.00	3.82	3.00
AURS	1	Episode Day 2, 2012	20	CO (PPM)	0.93	-9.00	0.93	2.20
AURS	1	Episode Day 2, 2012	21	CO (PPM)	0.62	-9.00	0.62	1.80
AURS	1	Episode Day 2, 2012	22	CO (PPM)	0.55	-9.00	0.55	1.70
AURS	1	Episode Day 2, 2012	23	CO (PPM)	0.41	-9.00	0.41	1.30
AURS	1	Episode Day 3, 2012	0	CO (PPM)	0.37	-9.00	0.37	0.80
AURS	1	Episode Day 3, 2012	1	CO (PPM)	0.35	-9.00	0.35	0.50
AURS	1	Episode Day 3, 2012	2	CO (PPM)	0.28	-9.00	0.28	0.50
AURS	1	Episode Day 3, 2012	3	CO (PPM)	0.25	-9.00	0.25	0.50
AURS	1	Episode Day 3, 2012	4	CO (PPM)	0.26	-9.00	0.26	0.70
AURS	1	Episode Day 3, 2012	5	CO (PPM)	0.30	-9.00	0.30	1.20
AURS	1	Episode Day 3, 2012	6	CO (PPM)	0.48	-9.00	0.48	5.40
AURS	1	Episode Day 3, 2012	7	CO (PPM)	1.08	-9.00	1.08	6.90
AURS	1	Episode Day 3, 2012	8	CO (PPM)	0.54	-9.00	0.54	5.00
AURS	1	Episode Day 3, 2012	9	CO (PPM)	0.56	-9.00	0.56	3.30
AURS	1	Episode Day 3, 2012	10	CO (PPM)	0.50	-9.00	0.50	0.90
AURS	1	Episode Day 3, 2012	11	CO (PPM)	0.45	-9.00	0.45	0.90
AURS	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	1.80
AURS	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	3.40
AURS	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	3.90
AURS	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	2.70
AURS	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	3.00
AURS	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	1.10
PLM	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2012	22	CO (PPM)	1.09	-9.00	1.09	-9.00
PLM	1	Episode Day 1, 2012	23	CO (PPM)	1.13	-9.00	1.13	-9.00
PLM	1	Episode Day 2, 2012	0	CO (PPM)	0.86	-9.00	0.86	-9.00
PLM	1	Episode Day 2, 2012	1	CO (PPM)	0.50	-9.00	0.50	-9.00
PLM	1	Episode Day 2, 2012	2	CO (PPM)	0.41	-9.00	0.41	-9.00
PLM	1	Episode Day 2, 2012	3	CO (PPM)	0.38	-9.00	0.38	-9.00
PLM	1	Episode Day 2, 2012	4	CO (PPM)	0.40	-9.00	0.40	-9.00
PLM	1	Episode Day 2, 2012	5	CO (PPM)	0.43	-9.00	0.43	-9.00
PLM	1	Episode Day 2, 2012	6	CO (PPM)	0.64	-9.00	0.64	-9.00
PLM	1	Episode Day 2, 2012	7	CO (PPM)	1.58	-9.00	1.58	-9.00
PLM	1	Episode Day 2, 2012	8	CO (PPM)	1.07	-9.00	1.07	-9.00
PLM	1	Episode Day 2, 2012	9	CO (PPM)	0.82	-9.00	0.82	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	1	Episode Day 2, 2012	10	CO (PPM)	0.52	-9.00	0.52	-9.00
PLM	1	Episode Day 2, 2012	11	CO (PPM)	0.51	-9.00	0.51	-9.00
PLM	1	Episode Day 2, 2012	12	CO (PPM)	0.59	-9.00	0.59	-9.00
PLM	1	Episode Day 2, 2012	13	CO (PPM)	0.65	-9.00	0.65	-9.00
PLM	1	Episode Day 2, 2012	14	CO (PPM)	0.95	-9.00	0.95	-9.00
PLM	1	Episode Day 2, 2012	15	CO (PPM)	1.54	-9.00	1.54	-9.00
PLM	1	Episode Day 2, 2012	16	CO (PPM)	3.13	-9.00	3.13	-9.00
PLM	1	Episode Day 2, 2012	17	CO (PPM)	4.05	-9.00	4.05	-9.00
PLM	1	Episode Day 2, 2012	18	CO (PPM)	4.66	-9.00	4.66	-9.00
PLM	1	Episode Day 2, 2012	19	CO (PPM)	5.93	-9.00	5.93	-9.00
PLM	1	Episode Day 2, 2012	20	CO (PPM)	1.98	-9.00	1.98	-9.00
PLM	1	Episode Day 2, 2012	21	CO (PPM)	1.04	-9.00	1.04	-9.00
PLM	1	Episode Day 2, 2012	22	CO (PPM)	1.07	-9.00	1.07	-9.00
PLM	1	Episode Day 2, 2012	23	CO (PPM)	0.82	-9.00	0.82	-9.00
PLM	1	Episode Day 3, 2012	0	CO (PPM)	0.57	-9.00	0.57	-9.00
PLM	1	Episode Day 3, 2012	1	CO (PPM)	0.47	-9.00	0.47	-9.00
PLM	1	Episode Day 3, 2012	2	CO (PPM)	0.39	-9.00	0.39	-9.00
PLM	1	Episode Day 3, 2012	3	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2012	4	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2012	5	CO (PPM)	0.37	-9.00	0.37	-9.00
PLM	1	Episode Day 3, 2012	6	CO (PPM)	0.55	-9.00	0.55	-9.00
PLM	1	Episode Day 3, 2012	7	CO (PPM)	1.48	-9.00	1.48	-9.00
PLM	1	Episode Day 3, 2012	8	CO (PPM)	0.91	-9.00	0.91	-9.00
PLM	1	Episode Day 3, 2012	9	CO (PPM)	0.73	-9.00	0.73	-9.00
PLM	1	Episode Day 3, 2012	10	CO (PPM)	0.69	-9.00	0.69	-9.00
PLM	1	Episode Day 3, 2012	11	CO (PPM)	0.78	-9.00	0.78	-9.00
PLM	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2012	22	CO (PPM)	0.27	-9.00	0.27	-9.00
BTN	1	Episode Day 1, 2012	23	CO (PPM)	0.30	-9.00	0.30	-9.00
BTN	1	Episode Day 2, 2012	0	CO (PPM)	0.42	-9.00	0.42	-9.00
BTN	1	Episode Day 2, 2012	1	CO (PPM)	0.52	-9.00	0.52	-9.00
BTN	1	Episode Day 2, 2012	2	CO (PPM)	0.49	-9.00	0.49	-9.00
BTN	1	Episode Day 2, 2012	3	CO (PPM)	0.44	-9.00	0.44	-9.00
BTN	1	Episode Day 2, 2012	4	CO (PPM)	0.36	-9.00	0.36	-9.00
BTN	1	Episode Day 2, 2012	5	CO (PPM)	0.31	-9.00	0.31	-9.00
BTN	1	Episode Day 2, 2012	6	CO (PPM)	0.32	-9.00	0.32	-9.00
BTN	1	Episode Day 2, 2012	7	CO (PPM)	0.51	-9.00	0.51	-9.00
BTN	1	Episode Day 2, 2012	8	CO (PPM)	0.47	-9.00	0.47	-9.00
BTN	1	Episode Day 2, 2012	9	CO (PPM)	0.54	-9.00	0.54	-9.00
BTN	1	Episode Day 2, 2012	10	CO (PPM)	0.65	-9.00	0.65	-9.00
BTN	1	Episode Day 2, 2012	11	CO (PPM)	0.77	-9.00	0.77	-9.00
BTN	1	Episode Day 2, 2012	12	CO (PPM)	0.76	-9.00	0.76	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	1	Episode Day 2, 2012	13	CO (PPM)	0.74	-9.00	0.74	-9.00
BTN	1	Episode Day 2, 2012	14	CO (PPM)	0.78	-9.00	0.78	-9.00
BTN	1	Episode Day 2, 2012	15	CO (PPM)	0.91	-9.00	0.91	-9.00
BTN	1	Episode Day 2, 2012	16	CO (PPM)	1.24	-9.00	1.24	-9.00
BTN	1	Episode Day 2, 2012	17	CO (PPM)	1.43	-9.00	1.43	-9.00
BTN	1	Episode Day 2, 2012	18	CO (PPM)	1.53	-9.00	1.53	-9.00
BTN	1	Episode Day 2, 2012	19	CO (PPM)	1.23	-9.00	1.23	-9.00
BTN	1	Episode Day 2, 2012	20	CO (PPM)	0.75	-9.00	0.75	-9.00
BTN	1	Episode Day 2, 2012	21	CO (PPM)	0.86	-9.00	0.86	-9.00
BTN	1	Episode Day 2, 2012	22	CO (PPM)	1.39	-9.00	1.39	-9.00
BTN	1	Episode Day 2, 2012	23	CO (PPM)	1.68	-9.00	1.68	-9.00
BTN	1	Episode Day 3, 2012	0	CO (PPM)	1.05	-9.00	1.05	-9.00
BTN	1	Episode Day 3, 2012	1	CO (PPM)	0.80	-9.00	0.80	-9.00
BTN	1	Episode Day 3, 2012	2	CO (PPM)	0.61	-9.00	0.61	-9.00
BTN	1	Episode Day 3, 2012	3	CO (PPM)	0.41	-9.00	0.41	-9.00
BTN	1	Episode Day 3, 2012	4	CO (PPM)	0.34	-9.00	0.34	-9.00
BTN	1	Episode Day 3, 2012	5	CO (PPM)	0.33	-9.00	0.33	-9.00
BTN	1	Episode Day 3, 2012	6	CO (PPM)	0.38	-9.00	0.38	-9.00
BTN	1	Episode Day 3, 2012	7	CO (PPM)	0.42	-9.00	0.42	-9.00
BTN	1	Episode Day 3, 2012	8	CO (PPM)	0.35	-9.00	0.35	-9.00
BTN	1	Episode Day 3, 2012	9	CO (PPM)	0.39	-9.00	0.39	-9.00
BTN	1	Episode Day 3, 2012	10	CO (PPM)	0.35	-9.00	0.35	-9.00
BTN	1	Episode Day 3, 2012	11	CO (PPM)	0.26	-9.00	0.26	-9.00
BTN	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2012	22	CO (PPM)	1.10	-9.00	1.10	-9.00
U_1	1	Episode Day 1, 2012	23	CO (PPM)	1.14	-9.00	1.14	-9.00
U_1	1	Episode Day 2, 2012	0	CO (PPM)	0.84	-9.00	0.84	-9.00
U_1	1	Episode Day 2, 2012	1	CO (PPM)	0.54	-9.00	0.54	-9.00
U_1	1	Episode Day 2, 2012	2	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2012	3	CO (PPM)	0.41	-9.00	0.41	-9.00
U_1	1	Episode Day 2, 2012	4	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2012	5	CO (PPM)	0.48	-9.00	0.48	-9.00
U_1	1	Episode Day 2, 2012	6	CO (PPM)	0.70	-9.00	0.70	-9.00
U_1	1	Episode Day 2, 2012	7	CO (PPM)	1.86	-9.00	1.86	-9.00
U_1	1	Episode Day 2, 2012	8	CO (PPM)	1.22	-9.00	1.22	-9.00
U_1	1	Episode Day 2, 2012	9	CO (PPM)	0.74	-9.00	0.74	-9.00
U_1	1	Episode Day 2, 2012	10	CO (PPM)	0.50	-9.00	0.50	-9.00
U_1	1	Episode Day 2, 2012	11	CO (PPM)	0.56	-9.00	0.56	-9.00
U_1	1	Episode Day 2, 2012	12	CO (PPM)	0.75	-9.00	0.75	-9.00
U_1	1	Episode Day 2, 2012	13	CO (PPM)	0.95	-9.00	0.95	-9.00
U_1	1	Episode Day 2, 2012	14	CO (PPM)	1.52	-9.00	1.52	-9.00
U_1	1	Episode Day 2, 2012	15	CO (PPM)	2.12	-9.00	2.12	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	1	Episode Day 2, 2012	16	CO (PPM)	5.03	-9.00	5.03	-9.00
U_1	1	Episode Day 2, 2012	17	CO (PPM)	8.62	-9.00	8.62	-9.00
U_1	1	Episode Day 2, 2012	18	CO (PPM)	8.64	-9.00	8.64	-9.00
U_1	1	Episode Day 2, 2012	19	CO (PPM)	2.73	-9.00	2.73	-9.00
U_1	1	Episode Day 2, 2012	20	CO (PPM)	1.15	-9.00	1.15	-9.00
U_1	1	Episode Day 2, 2012	21	CO (PPM)	1.02	-9.00	1.02	-9.00
U_1	1	Episode Day 2, 2012	22	CO (PPM)	0.99	-9.00	0.99	-9.00
U_1	1	Episode Day 2, 2012	23	CO (PPM)	0.87	-9.00	0.87	-9.00
U_1	1	Episode Day 3, 2012	0	CO (PPM)	0.67	-9.00	0.67	-9.00
U_1	1	Episode Day 3, 2012	1	CO (PPM)	0.58	-9.00	0.58	-9.00
U_1	1	Episode Day 3, 2012	2	CO (PPM)	0.41	-9.00	0.41	-9.00
U_1	1	Episode Day 3, 2012	3	CO (PPM)	0.32	-9.00	0.32	-9.00
U_1	1	Episode Day 3, 2012	4	CO (PPM)	0.34	-9.00	0.34	-9.00
U_1	1	Episode Day 3, 2012	5	CO (PPM)	0.47	-9.00	0.47	-9.00
U_1	1	Episode Day 3, 2012	6	CO (PPM)	0.86	-9.00	0.86	-9.00
U_1	1	Episode Day 3, 2012	7	CO (PPM)	2.35	-9.00	2.35	-9.00
U_1	1	Episode Day 3, 2012	8	CO (PPM)	1.47	-9.00	1.47	-9.00
U_1	1	Episode Day 3, 2012	9	CO (PPM)	1.03	-9.00	1.03	-9.00
U_1	1	Episode Day 3, 2012	10	CO (PPM)	0.89	-9.00	0.89	-9.00
U_1	1	Episode Day 3, 2012	11	CO (PPM)	0.86	-9.00	0.86	-9.00
U_1	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2012	22	CO (PPM)	1.34	-9.00	1.34	-9.00
F_A	1	Episode Day 1, 2012	23	CO (PPM)	0.65	-9.00	0.65	-9.00
F_A	1	Episode Day 2, 2012	0	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 2, 2012	1	CO (PPM)	0.25	-9.00	0.25	-9.00
F_A	1	Episode Day 2, 2012	2	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2012	3	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2012	4	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2012	5	CO (PPM)	0.34	-9.00	0.34	-9.00
F_A	1	Episode Day 2, 2012	6	CO (PPM)	0.62	-9.00	0.62	-9.00
F_A	1	Episode Day 2, 2012	7	CO (PPM)	1.30	-9.00	1.30	-9.00
F_A	1	Episode Day 2, 2012	8	CO (PPM)	0.65	-9.00	0.65	-9.00
F_A	1	Episode Day 2, 2012	9	CO (PPM)	0.60	-9.00	0.60	-9.00
F_A	1	Episode Day 2, 2012	10	CO (PPM)	0.59	-9.00	0.59	-9.00
F_A	1	Episode Day 2, 2012	11	CO (PPM)	0.54	-9.00	0.54	-9.00
F_A	1	Episode Day 2, 2012	12	CO (PPM)	0.51	-9.00	0.51	-9.00
F_A	1	Episode Day 2, 2012	13	CO (PPM)	0.48	-9.00	0.48	-9.00
F_A	1	Episode Day 2, 2012	14	CO (PPM)	0.66	-9.00	0.66	-9.00
F_A	1	Episode Day 2, 2012	15	CO (PPM)	1.19	-9.00	1.19	-9.00
F_A	1	Episode Day 2, 2012	16	CO (PPM)	1.77	-9.00	1.77	-9.00
F_A	1	Episode Day 2, 2012	17	CO (PPM)	0.97	-9.00	0.97	-9.00
F_A	1	Episode Day 2, 2012	18	CO (PPM)	0.74	-9.00	0.74	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	1	Episode Day 2, 2012	19	CO (PPM)	0.77	-9.00	0.77	-9.00
F_A	1	Episode Day 2, 2012	20	CO (PPM)	0.66	-9.00	0.66	-9.00
F_A	1	Episode Day 2, 2012	21	CO (PPM)	0.48	-9.00	0.48	-9.00
F_A	1	Episode Day 2, 2012	22	CO (PPM)	0.36	-9.00	0.36	-9.00
F_A	1	Episode Day 2, 2012	23	CO (PPM)	0.30	-9.00	0.30	-9.00
F_A	1	Episode Day 3, 2012	0	CO (PPM)	0.28	-9.00	0.28	-9.00
F_A	1	Episode Day 3, 2012	1	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2012	2	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2012	3	CO (PPM)	0.27	-9.00	0.27	-9.00
F_A	1	Episode Day 3, 2012	4	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 3, 2012	5	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2012	6	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2012	7	CO (PPM)	1.13	-9.00	1.13	-9.00
F_A	1	Episode Day 3, 2012	8	CO (PPM)	0.64	-9.00	0.64	-9.00
F_A	1	Episode Day 3, 2012	9	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2012	10	CO (PPM)	0.31	-9.00	0.31	-9.00
F_A	1	Episode Day 3, 2012	11	CO (PPM)	0.38	-9.00	0.38	-9.00
F_A	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2012	22	CO (PPM)	0.60	-9.00	0.60	-9.00
H_U	1	Episode Day 1, 2012	23	CO (PPM)	0.40	-9.00	0.40	-9.00
H_U	1	Episode Day 2, 2012	0	CO (PPM)	0.34	-9.00	0.34	-9.00
H_U	1	Episode Day 2, 2012	1	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2012	2	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2012	3	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2012	4	CO (PPM)	0.29	-9.00	0.29	-9.00
H_U	1	Episode Day 2, 2012	5	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2012	6	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2012	7	CO (PPM)	0.77	-9.00	0.77	-9.00
H_U	1	Episode Day 2, 2012	8	CO (PPM)	0.54	-9.00	0.54	-9.00
H_U	1	Episode Day 2, 2012	9	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 2, 2012	10	CO (PPM)	0.29	-9.00	0.29	-9.00
H_U	1	Episode Day 2, 2012	11	CO (PPM)	0.32	-9.00	0.32	-9.00
H_U	1	Episode Day 2, 2012	12	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2012	13	CO (PPM)	0.59	-9.00	0.59	-9.00
H_U	1	Episode Day 2, 2012	14	CO (PPM)	1.00	-9.00	1.00	-9.00
H_U	1	Episode Day 2, 2012	15	CO (PPM)	1.85	-9.00	1.85	-9.00
H_U	1	Episode Day 2, 2012	16	CO (PPM)	4.14	-9.00	4.14	-9.00
H_U	1	Episode Day 2, 2012	17	CO (PPM)	4.43	-9.00	4.43	-9.00
H_U	1	Episode Day 2, 2012	18	CO (PPM)	1.76	-9.00	1.76	-9.00
H_U	1	Episode Day 2, 2012	19	CO (PPM)	0.80	-9.00	0.80	-9.00
H_U	1	Episode Day 2, 2012	20	CO (PPM)	0.44	-9.00	0.44	-9.00
H_U	1	Episode Day 2, 2012	21	CO (PPM)	0.41	-9.00	0.41	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	1	Episode Day 2, 2012	22	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2012	23	CO (PPM)	0.37	-9.00	0.37	-9.00
H_U	1	Episode Day 3, 2012	0	CO (PPM)	0.35	-9.00	0.35	-9.00
H_U	1	Episode Day 3, 2012	1	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 3, 2012	2	CO (PPM)	0.27	-9.00	0.27	-9.00
H_U	1	Episode Day 3, 2012	3	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2012	4	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2012	5	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 3, 2012	6	CO (PPM)	0.42	-9.00	0.42	-9.00
H_U	1	Episode Day 3, 2012	7	CO (PPM)	1.09	-9.00	1.09	-9.00
H_U	1	Episode Day 3, 2012	8	CO (PPM)	0.56	-9.00	0.56	-9.00
H_U	1	Episode Day 3, 2012	9	CO (PPM)	0.57	-9.00	0.57	-9.00
H_U	1	Episode Day 3, 2012	10	CO (PPM)	0.61	-9.00	0.61	-9.00
H_U	1	Episode Day 3, 2012	11	CO (PPM)	0.61	-9.00	0.61	-9.00
H_U	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2012	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 1, 2012	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 2, 2012	0	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2012	1	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2012	2	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2012	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2012	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2012	5	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2012	6	CO (PPM)	0.31	-9.00	0.31	-9.00
U_A	1	Episode Day 2, 2012	7	CO (PPM)	0.44	-9.00	0.44	-9.00
U_A	1	Episode Day 2, 2012	8	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2012	9	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2012	10	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2012	11	CO (PPM)	0.27	-9.00	0.27	-9.00
U_A	1	Episode Day 2, 2012	12	CO (PPM)	0.41	-9.00	0.41	-9.00
U_A	1	Episode Day 2, 2012	13	CO (PPM)	0.48	-9.00	0.48	-9.00
U_A	1	Episode Day 2, 2012	14	CO (PPM)	0.69	-9.00	0.69	-9.00
U_A	1	Episode Day 2, 2012	15	CO (PPM)	1.17	-9.00	1.17	-9.00
U_A	1	Episode Day 2, 2012	16	CO (PPM)	2.90	-9.00	2.90	-9.00
U_A	1	Episode Day 2, 2012	17	CO (PPM)	3.28	-9.00	3.28	-9.00
U_A	1	Episode Day 2, 2012	18	CO (PPM)	1.35	-9.00	1.35	-9.00
U_A	1	Episode Day 2, 2012	19	CO (PPM)	0.46	-9.00	0.46	-9.00
U_A	1	Episode Day 2, 2012	20	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2012	21	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2012	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 2, 2012	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2012	0	CO (PPM)	0.27	-9.00	0.27	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	1	Episode Day 3, 2012	1	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2012	2	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 3, 2012	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 3, 2012	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 3, 2012	5	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 3, 2012	6	CO (PPM)	0.34	-9.00	0.34	-9.00
U_A	1	Episode Day 3, 2012	7	CO (PPM)	0.96	-9.00	0.96	-9.00
U_A	1	Episode Day 3, 2012	8	CO (PPM)	0.59	-9.00	0.59	-9.00
U_A	1	Episode Day 3, 2012	9	CO (PPM)	0.63	-9.00	0.63	-9.00
U_A	1	Episode Day 3, 2012	10	CO (PPM)	0.56	-9.00	0.56	-9.00
U_A	1	Episode Day 3, 2012	11	CO (PPM)	0.45	-9.00	0.45	-9.00
U_A	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2012	22	CO (PPM)	0.71	-9.00	0.71	-9.00
P_I	1	Episode Day 1, 2012	23	CO (PPM)	0.62	-9.00	0.62	-9.00
P_I	1	Episode Day 2, 2012	0	CO (PPM)	0.45	-9.00	0.45	-9.00
P_I	1	Episode Day 2, 2012	1	CO (PPM)	0.35	-9.00	0.35	-9.00
P_I	1	Episode Day 2, 2012	2	CO (PPM)	0.30	-9.00	0.30	-9.00
P_I	1	Episode Day 2, 2012	3	CO (PPM)	0.29	-9.00	0.29	-9.00
P_I	1	Episode Day 2, 2012	4	CO (PPM)	0.31	-9.00	0.31	-9.00
P_I	1	Episode Day 2, 2012	5	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 2, 2012	6	CO (PPM)	0.59	-9.00	0.59	-9.00
P_I	1	Episode Day 2, 2012	7	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 2, 2012	8	CO (PPM)	0.80	-9.00	0.80	-9.00
P_I	1	Episode Day 2, 2012	9	CO (PPM)	0.42	-9.00	0.42	-9.00
P_I	1	Episode Day 2, 2012	10	CO (PPM)	0.34	-9.00	0.34	-9.00
P_I	1	Episode Day 2, 2012	11	CO (PPM)	0.38	-9.00	0.38	-9.00
P_I	1	Episode Day 2, 2012	12	CO (PPM)	0.50	-9.00	0.50	-9.00
P_I	1	Episode Day 2, 2012	13	CO (PPM)	0.56	-9.00	0.56	-9.00
P_I	1	Episode Day 2, 2012	14	CO (PPM)	0.78	-9.00	0.78	-9.00
P_I	1	Episode Day 2, 2012	15	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 2, 2012	16	CO (PPM)	3.05	-9.00	3.05	-9.00
P_I	1	Episode Day 2, 2012	17	CO (PPM)	4.87	-9.00	4.87	-9.00
P_I	1	Episode Day 2, 2012	18	CO (PPM)	5.99	-9.00	5.99	-9.00
P_I	1	Episode Day 2, 2012	19	CO (PPM)	3.08	-9.00	3.08	-9.00
P_I	1	Episode Day 2, 2012	20	CO (PPM)	1.04	-9.00	1.04	-9.00
P_I	1	Episode Day 2, 2012	21	CO (PPM)	0.70	-9.00	0.70	-9.00
P_I	1	Episode Day 2, 2012	22	CO (PPM)	0.67	-9.00	0.67	-9.00
P_I	1	Episode Day 2, 2012	23	CO (PPM)	0.48	-9.00	0.48	-9.00
P_I	1	Episode Day 3, 2012	0	CO (PPM)	0.40	-9.00	0.40	-9.00
P_I	1	Episode Day 3, 2012	1	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 3, 2012	2	CO (PPM)	0.28	-9.00	0.28	-9.00
P_I	1	Episode Day 3, 2012	3	CO (PPM)	0.26	-9.00	0.26	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	1	Episode Day 3, 2012	4	CO (PPM)	0.27	-9.00	0.27	-9.00
P_I	1	Episode Day 3, 2012	5	CO (PPM)	0.31	-9.00	0.31	-9.00
P_I	1	Episode Day 3, 2012	6	CO (PPM)	0.53	-9.00	0.53	-9.00
P_I	1	Episode Day 3, 2012	7	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 3, 2012	8	CO (PPM)	0.73	-9.00	0.73	-9.00
P_I	1	Episode Day 3, 2012	9	CO (PPM)	0.72	-9.00	0.72	-9.00
P_I	1	Episode Day 3, 2012	10	CO (PPM)	0.64	-9.00	0.64	-9.00
P_I	1	Episode Day 3, 2012	11	CO (PPM)	0.52	-9.00	0.52	-9.00
P_I	1	Episode Day 3, 2012	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2012	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CMP	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.04
CMP	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	1.90
CMP	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	1.84
CMP	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.81
CMP	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.70
CMP	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.59
CMP	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.56
CMP	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.57
CMP	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.74
CMP	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	2.36
CMP	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	3.15
CMP	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	4.06
CMP	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	3.96
CMP	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	3.91
CMP	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	3.69
CMP	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	3.08
CMP	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	2.23
CMP	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	1.38
CMP	8	Episode Day 2, 2012	3	CO (PPM)	1.45	NA	1.45	0.93
CMP	8	Episode Day 2, 2012	4	CO (PPM)	1.36	NA	1.36	0.76
CMP	8	Episode Day 2, 2012	5	CO (PPM)	1.28	NA	1.28	0.65
CMP	8	Episode Day 2, 2012	6	CO (PPM)	1.24	NA	1.24	0.63
CMP	8	Episode Day 2, 2012	7	CO (PPM)	1.38	NA	1.38	0.94
CMP	8	Episode Day 2, 2012	8	CO (PPM)	1.31	NA	1.31	1.43
CMP	8	Episode Day 2, 2012	9	CO (PPM)	1.23	NA	1.23	1.69
CMP	8	Episode Day 2, 2012	10	CO (PPM)	1.24	NA	1.24	2.05
CMP	8	Episode Day 2, 2012	11	CO (PPM)	1.30	NA	1.30	2.61
CMP	8	Episode Day 2, 2012	12	CO (PPM)	1.37	NA	1.37	3.11
CMP	8	Episode Day 2, 2012	13	CO (PPM)	1.46	NA	1.46	3.61
CMP	8	Episode Day 2, 2012	14	CO (PPM)	1.57	NA	1.57	4.08
CMP	8	Episode Day 2, 2012	15	CO (PPM)	1.59	NA	1.59	4.44
CMP	8	Episode Day 2, 2012	16	CO (PPM)	2.48	NA	2.48	9.39
CMP	8	Episode Day 2, 2012	17	CO (PPM)	4.08	NA	4.08	15.34
CMP	8	Episode Day 2, 2012	18	CO (PPM)	5.79	NA	5.79	18.73
CMP	8	Episode Day 2, 2012	19	CO (PPM)	7.03	NA	7.03	18.65
CMP	8	Episode Day 2, 2012	20	CO (PPM)	7.43	NA	7.43	18.41
CMP	8	Episode Day 2, 2012	21	CO (PPM)	7.68	NA	7.68	18.16
CMP	8	Episode Day 2, 2012	22	CO (PPM)	7.89	NA	7.89	18.08
CMP	8	Episode Day 2, 2012	23	CO (PPM)	7.93	NA	7.93	17.70
CMP	8	Episode Day 3, 2012	0	CO (PPM)	7.12	NA	7.12	12.64
CMP	8	Episode Day 3, 2012	1	CO (PPM)	5.59	NA	5.59	6.65
CMP	8	Episode Day 3, 2012	2	CO (PPM)	3.88	NA	3.88	3.04
CMP	8	Episode Day 3, 2012	3	CO (PPM)	2.56	NA	2.56	2.65

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	8	Episode Day 3, 2012	4	CO (PPM)	2.07	NA	2.07	2.53
CMP	8	Episode Day 3, 2012	5	CO (PPM)	1.79	NA	1.79	2.54
CMP	8	Episode Day 3, 2012	6	CO (PPM)	1.61	NA	1.61	2.70
CMP	8	Episode Day 3, 2012	7	CO (PPM)	1.78	NA	1.78	3.36
CMP	8	Episode Day 3, 2012	8	CO (PPM)	1.82	NA	1.82	4.14
CMP	8	Episode Day 3, 2012	9	CO (PPM)	1.91	NA	1.91	4.71
CMP	8	Episode Day 3, 2012	10	CO (PPM)	2.05	NA	2.05	5.21
CMP	8	Episode Day 3, 2012	11	CO (PPM)	2.16	NA	2.16	5.56
CMP	8	Episode Day 3, 2012	12	CO (PPM)	2.38	NA	2.38	5.74
CMP	8	Episode Day 3, 2012	13	CO (PPM)	2.57	NA	2.57	5.69
CMP	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	5.35
CMP	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	4.64
CMP	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	4.56
CMP	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	5.28
CMP	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	5.30
CMP	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	5.34
CMP	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	5.69
CMP	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	5.94
CMP	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	6.00
CMP	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	6.11
WBY	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	2.14
WBY	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.48
WBY	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.23
WBY	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.16
WBY	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	0.85
WBY	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	0.75
WBY	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.69
WBY	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.94
WBY	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	2.41
WBY	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	2.61
WBY	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	2.76
WBY	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	2.95
WBY	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	3.39
WBY	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	3.28
WBY	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	2.88
WBY	8	Episode Day 2, 2012	3	CO (PPM)	1.32	NA	1.32	2.70
WBY	8	Episode Day 2, 2012	4	CO (PPM)	1.26	NA	1.26	2.30
WBY	8	Episode Day 2, 2012	5	CO (PPM)	1.21	NA	1.21	2.21
WBY	8	Episode Day 2, 2012	6	CO (PPM)	1.19	NA	1.19	2.24
WBY	8	Episode Day 2, 2012	7	CO (PPM)	1.21	NA	1.21	2.71
WBY	8	Episode Day 2, 2012	8	CO (PPM)	1.14	NA	1.14	3.04
WBY	8	Episode Day 2, 2012	9	CO (PPM)	1.08	NA	1.08	3.22
WBY	8	Episode Day 2, 2012	10	CO (PPM)	1.05	NA	1.05	3.26
WBY	8	Episode Day 2, 2012	11	CO (PPM)	1.02	NA	1.02	3.24
WBY	8	Episode Day 2, 2012	12	CO (PPM)	1.00	NA	1.00	3.17
WBY	8	Episode Day 2, 2012	13	CO (PPM)	0.97	NA	0.97	3.11
WBY	8	Episode Day 2, 2012	14	CO (PPM)	0.93	NA	0.93	3.02
WBY	8	Episode Day 2, 2012	15	CO (PPM)	0.84	NA	0.84	2.46
WBY	8	Episode Day 2, 2012	16	CO (PPM)	0.91	NA	0.91	1.92
WBY	8	Episode Day 2, 2012	17	CO (PPM)	1.12	NA	1.12	2.50
WBY	8	Episode Day 2, 2012	18	CO (PPM)	1.44	NA	1.44	3.86
WBY	8	Episode Day 2, 2012	19	CO (PPM)	1.67	NA	1.67	4.86
WBY	8	Episode Day 2, 2012	20	CO (PPM)	2.04	NA	2.04	5.71
WBY	8	Episode Day 2, 2012	21	CO (PPM)	2.61	NA	2.61	6.39
WBY	8	Episode Day 2, 2012	22	CO (PPM)	3.18	NA	3.18	7.17
WBY	8	Episode Day 2, 2012	23	CO (PPM)	3.73	NA	3.73	8.09
WBY	8	Episode Day 3, 2012	0	CO (PPM)	4.09	NA	4.09	8.94
WBY	8	Episode Day 3, 2012	1	CO (PPM)	4.09	NA	4.09	8.66
WBY	8	Episode Day 3, 2012	2	CO (PPM)	3.81	NA	3.81	7.36
WBY	8	Episode Day 3, 2012	3	CO (PPM)	3.56	NA	3.56	6.40
WBY	8	Episode Day 3, 2012	4	CO (PPM)	3.18	NA	3.18	5.64
WBY	8	Episode Day 3, 2012	5	CO (PPM)	2.63	NA	2.63	5.06
WBY	8	Episode Day 3, 2012	6	CO (PPM)	2.08	NA	2.08	4.50

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
WBY	8	Episode Day 3, 2012	7	CO (PPM)	1.56	NA	1.56	3.79
WBY	8	Episode Day 3, 2012	8	CO (PPM)	1.13	NA	1.13	2.99
WBY	8	Episode Day 3, 2012	9	CO (PPM)	0.94	NA	0.94	2.46
WBY	8	Episode Day 3, 2012	10	CO (PPM)	0.92	NA	0.92	2.41
WBY	8	Episode Day 3, 2012	11	CO (PPM)	0.93	NA	0.93	2.26
WBY	8	Episode Day 3, 2012	12	CO (PPM)	0.97	NA	0.97	2.09
WBY	8	Episode Day 3, 2012	13	CO (PPM)	1.02	NA	1.02	1.89
WBY	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.53
WBY	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.17
WBY	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.13
WBY	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	0.88
WBY	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	0.70
WBY	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	3.08
WBY	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	3.59
CRG	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.91
CRG	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	2.54
CRG	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	2.14
CRG	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.85
CRG	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.55
CRG	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.51
CRG	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.45
CRG	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.10
CRG	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.19
CRG	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.86
CRG	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.77
CRG	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	4.16
CRG	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	4.51
CRG	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	4.94
CRG	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	5.37
CRG	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	5.11
CRG	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	5.28
CRG	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	5.14
CRG	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	4.58
CRG	8	Episode Day 2, 2012	3	CO (PPM)	1.72	NA	1.72	3.54
CRG	8	Episode Day 2, 2012	4	CO (PPM)	1.56	NA	1.56	3.43
CRG	8	Episode Day 2, 2012	5	CO (PPM)	1.44	NA	1.44	3.34
CRG	8	Episode Day 2, 2012	6	CO (PPM)	1.34	NA	1.34	3.63
CRG	8	Episode Day 2, 2012	7	CO (PPM)	1.32	NA	1.32	4.48
CRG	8	Episode Day 2, 2012	8	CO (PPM)	1.16	NA	1.16	5.33
CRG	8	Episode Day 2, 2012	9	CO (PPM)	0.99	NA	0.99	5.21
CRG	8	Episode Day 2, 2012	10	CO (PPM)	0.91	NA	0.91	5.01
CRG	8	Episode Day 2, 2012	11	CO (PPM)	0.92	NA	0.92	4.85
CRG	8	Episode Day 2, 2012	12	CO (PPM)	0.98	NA	0.98	4.71
CRG	8	Episode Day 2, 2012	13	CO (PPM)	1.05	NA	1.05	4.54
CRG	8	Episode Day 2, 2012	14	CO (PPM)	1.12	NA	1.12	4.01
CRG	8	Episode Day 2, 2012	15	CO (PPM)	1.12	NA	1.12	2.85
CRG	8	Episode Day 2, 2012	16	CO (PPM)	1.49	NA	1.49	2.34
CRG	8	Episode Day 2, 2012	17	CO (PPM)	2.00	NA	2.00	3.03
CRG	8	Episode Day 2, 2012	18	CO (PPM)	2.56	NA	2.56	4.50
CRG	8	Episode Day 2, 2012	19	CO (PPM)	3.10	NA	3.10	6.39
CRG	8	Episode Day 2, 2012	20	CO (PPM)	3.50	NA	3.50	7.80
CRG	8	Episode Day 2, 2012	21	CO (PPM)	3.78	NA	3.78	8.52
CRG	8	Episode Day 2, 2012	22	CO (PPM)	3.94	NA	3.94	8.94
CRG	8	Episode Day 2, 2012	23	CO (PPM)	3.96	NA	3.96	9.91
CRG	8	Episode Day 3, 2012	0	CO (PPM)	3.68	NA	3.68	10.38
CRG	8	Episode Day 3, 2012	1	CO (PPM)	3.24	NA	3.24	9.73
CRG	8	Episode Day 3, 2012	2	CO (PPM)	2.71	NA	2.71	8.69
CRG	8	Episode Day 3, 2012	3	CO (PPM)	2.17	NA	2.17	7.14
CRG	8	Episode Day 3, 2012	4	CO (PPM)	1.70	NA	1.70	5.78
CRG	8	Episode Day 3, 2012	5	CO (PPM)	1.37	NA	1.37	5.26
CRG	8	Episode Day 3, 2012	6	CO (PPM)	1.21	NA	1.21	5.04
CRG	8	Episode Day 3, 2012	7	CO (PPM)	1.31	NA	1.31	4.73
CRG	8	Episode Day 3, 2012	8	CO (PPM)	1.27	NA	1.27	4.10
CRG	8	Episode Day 3, 2012	9	CO (PPM)	1.24	NA	1.24	4.08

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	8	Episode Day 3, 2012	10	CO (PPM)	1.22	NA	1.22	3.59
CRG	8	Episode Day 3, 2012	11	CO (PPM)	1.23	NA	1.23	3.54
CRG	8	Episode Day 3, 2012	12	CO (PPM)	1.33	NA	1.33	3.37
CRG	8	Episode Day 3, 2012	13	CO (PPM)	1.43	NA	1.43	3.00
CRG	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	2.60
CRG	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.74
CRG	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.71
CRG	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.86
CRG	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	4.05
CRG	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	5.23
CRG	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	6.16
CRG	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	7.05
CRG	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	8.00
NJH	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.08
NJH	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	2.04
NJH	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	2.13
NJH	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	2.25
NJH	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	2.10
NJH	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.98
NJH	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.74
NJH	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.49
NJH	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.60
NJH	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	2.43
NJH	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.66
NJH	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	2.85
NJH	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	3.08
NJH	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	3.28
NJH	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	3.58
NJH	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	3.50
NJH	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	2.56
NJH	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 2, 2012	3	CO (PPM)	0.88	NA	0.88	1.96
NJH	8	Episode Day 2, 2012	4	CO (PPM)	0.82	NA	0.82	1.73
NJH	8	Episode Day 2, 2012	5	CO (PPM)	0.78	NA	0.78	1.60
NJH	8	Episode Day 2, 2012	6	CO (PPM)	0.73	NA	0.73	1.71
NJH	8	Episode Day 2, 2012	7	CO (PPM)	0.80	NA	0.80	2.26
NJH	8	Episode Day 2, 2012	8	CO (PPM)	0.82	NA	0.82	2.74
NJH	8	Episode Day 2, 2012	9	CO (PPM)	0.85	NA	0.85	2.97
NJH	8	Episode Day 2, 2012	10	CO (PPM)	0.87	NA	0.87	3.17
NJH	8	Episode Day 2, 2012	11	CO (PPM)	0.89	NA	0.89	3.29
NJH	8	Episode Day 2, 2012	12	CO (PPM)	0.91	NA	0.91	3.42
NJH	8	Episode Day 2, 2012	13	CO (PPM)	0.94	NA	0.94	3.56
NJH	8	Episode Day 2, 2012	14	CO (PPM)	0.99	NA	0.99	3.55
NJH	8	Episode Day 2, 2012	15	CO (PPM)	0.98	NA	0.98	3.32
NJH	8	Episode Day 2, 2012	16	CO (PPM)	1.25	NA	1.25	5.03
NJH	8	Episode Day 2, 2012	17	CO (PPM)	1.71	NA	1.71	7.49
NJH	8	Episode Day 2, 2012	18	CO (PPM)	2.29	NA	2.29	9.60
NJH	8	Episode Day 2, 2012	19	CO (PPM)	3.01	NA	3.01	10.43
NJH	8	Episode Day 2, 2012	20	CO (PPM)	3.26	NA	3.26	10.95
NJH	8	Episode Day 2, 2012	21	CO (PPM)	3.34	NA	3.34	11.16
NJH	8	Episode Day 2, 2012	22	CO (PPM)	3.37	NA	3.37	11.27
NJH	8	Episode Day 2, 2012	23	CO (PPM)	3.29	NA	3.29	11.10
NJH	8	Episode Day 3, 2012	0	CO (PPM)	2.95	NA	2.95	8.92
NJH	8	Episode Day 3, 2012	1	CO (PPM)	2.46	NA	2.46	6.21
NJH	8	Episode Day 3, 2012	2	CO (PPM)	1.86	NA	1.86	3.91
NJH	8	Episode Day 3, 2012	3	CO (PPM)	1.10	NA	1.10	2.94
NJH	8	Episode Day 3, 2012	4	CO (PPM)	0.81	NA	0.81	2.25
NJH	8	Episode Day 3, 2012	5	CO (PPM)	0.70	NA	0.70	1.90
NJH	8	Episode Day 3, 2012	6	CO (PPM)	0.62	NA	0.62	1.75
NJH	8	Episode Day 3, 2012	7	CO (PPM)	0.73	NA	0.73	2.22
NJH	8	Episode Day 3, 2012	8	CO (PPM)	0.79	NA	0.79	2.65
NJH	8	Episode Day 3, 2012	9	CO (PPM)	0.84	NA	0.84	3.11
NJH	8	Episode Day 3, 2012	10	CO (PPM)	0.89	NA	0.89	3.40
NJH	8	Episode Day 3, 2012	11	CO (PPM)	0.95	NA	0.95	3.46
NJH	8	Episode Day 3, 2012	12	CO (PPM)	1.03	NA	1.03	3.51

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	8	Episode Day 3, 2012	13	CO (PPM)	1.12	NA	1.12	3.79
NJH	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	2.57
NJH	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	2.39
NJH	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	2.63
NJH	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.84
NJH	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	3.64
NJH	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	4.27
NJH	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	4.24
NJH	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	4.61
NJH	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	4.81
TIV	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2012	3	CO (PPM)	1.41	NA	1.41	-9.00
TIV	8	Episode Day 2, 2012	4	CO (PPM)	1.30	NA	1.30	-9.00
TIV	8	Episode Day 2, 2012	5	CO (PPM)	1.23	NA	1.23	-9.00
TIV	8	Episode Day 2, 2012	6	CO (PPM)	1.16	NA	1.16	-9.00
TIV	8	Episode Day 2, 2012	7	CO (PPM)	1.27	NA	1.27	-9.00
TIV	8	Episode Day 2, 2012	8	CO (PPM)	1.18	NA	1.18	-9.00
TIV	8	Episode Day 2, 2012	9	CO (PPM)	1.09	NA	1.09	-9.00
TIV	8	Episode Day 2, 2012	10	CO (PPM)	1.09	NA	1.09	-9.00
TIV	8	Episode Day 2, 2012	11	CO (PPM)	1.15	NA	1.15	-9.00
TIV	8	Episode Day 2, 2012	12	CO (PPM)	1.26	NA	1.26	-9.00
TIV	8	Episode Day 2, 2012	13	CO (PPM)	1.38	NA	1.38	-9.00
TIV	8	Episode Day 2, 2012	14	CO (PPM)	1.49	NA	1.49	-9.00
TIV	8	Episode Day 2, 2012	15	CO (PPM)	1.53	NA	1.53	-9.00
TIV	8	Episode Day 2, 2012	16	CO (PPM)	2.47	NA	2.47	-9.00
TIV	8	Episode Day 2, 2012	17	CO (PPM)	4.13	NA	4.13	-9.00
TIV	8	Episode Day 2, 2012	18	CO (PPM)	5.82	NA	5.82	-9.00
TIV	8	Episode Day 2, 2012	19	CO (PPM)	6.72	NA	6.72	-9.00
TIV	8	Episode Day 2, 2012	20	CO (PPM)	7.02	NA	7.02	-9.00
TIV	8	Episode Day 2, 2012	21	CO (PPM)	7.19	NA	7.19	-9.00
TIV	8	Episode Day 2, 2012	22	CO (PPM)	7.32	NA	7.32	-9.00
TIV	8	Episode Day 2, 2012	23	CO (PPM)	7.29	NA	7.29	-9.00
TIV	8	Episode Day 3, 2012	0	CO (PPM)	6.43	NA	6.43	-9.00
TIV	8	Episode Day 3, 2012	1	CO (PPM)	4.83	NA	4.83	-9.00
TIV	8	Episode Day 3, 2012	2	CO (PPM)	3.16	NA	3.16	-9.00
TIV	8	Episode Day 3, 2012	3	CO (PPM)	2.19	NA	2.19	-9.00
TIV	8	Episode Day 3, 2012	4	CO (PPM)	1.78	NA	1.78	-9.00
TIV	8	Episode Day 3, 2012	5	CO (PPM)	1.55	NA	1.55	-9.00
TIV	8	Episode Day 3, 2012	6	CO (PPM)	1.48	NA	1.48	-9.00
TIV	8	Episode Day 3, 2012	7	CO (PPM)	1.77	NA	1.77	-9.00
TIV	8	Episode Day 3, 2012	8	CO (PPM)	1.85	NA	1.85	-9.00
TIV	8	Episode Day 3, 2012	9	CO (PPM)	1.94	NA	1.94	-9.00
TIV	8	Episode Day 3, 2012	10	CO (PPM)	2.00	NA	2.00	-9.00
TIV	8	Episode Day 3, 2012	11	CO (PPM)	2.07	NA	2.07	-9.00
TIV	8	Episode Day 3, 2012	12	CO (PPM)	2.28	NA	2.28	-9.00
TIV	8	Episode Day 3, 2012	13	CO (PPM)	2.46	NA	2.46	-9.00
TIV	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2012	3	CO (PPM)	1.45	NA	1.45	-9.00
ICMP	8	Episode Day 2, 2012	4	CO (PPM)	1.36	NA	1.36	-9.00
ICMP	8	Episode Day 2, 2012	5	CO (PPM)	1.28	NA	1.28	-9.00
ICMP	8	Episode Day 2, 2012	6	CO (PPM)	1.24	NA	1.24	-9.00
ICMP	8	Episode Day 2, 2012	7	CO (PPM)	1.38	NA	1.38	-9.00
ICMP	8	Episode Day 2, 2012	8	CO (PPM)	1.31	NA	1.31	-9.00
ICMP	8	Episode Day 2, 2012	9	CO (PPM)	1.23	NA	1.23	-9.00
ICMP	8	Episode Day 2, 2012	10	CO (PPM)	1.24	NA	1.24	-9.00
ICMP	8	Episode Day 2, 2012	11	CO (PPM)	1.30	NA	1.30	-9.00
ICMP	8	Episode Day 2, 2012	12	CO (PPM)	1.37	NA	1.37	-9.00
ICMP	8	Episode Day 2, 2012	13	CO (PPM)	1.46	NA	1.46	-9.00
ICMP	8	Episode Day 2, 2012	14	CO (PPM)	1.57	NA	1.80	-9.00
ICMP	8	Episode Day 2, 2012	15	CO (PPM)	1.59	NA	1.99	-9.00
ICMP	8	Episode Day 2, 2012	16	CO (PPM)	2.48	NA	3.26	-9.00
ICMP	8	Episode Day 2, 2012	17	CO (PPM)	4.08	NA	5.11	-9.00
ICMP	8	Episode Day 2, 2012	18	CO (PPM)	5.79	NA	6.97	-9.00
ICMP	8	Episode Day 2, 2012	19	CO (PPM)	7.03	NA	8.25	-9.00
ICMP	8	Episode Day 2, 2012	20	CO (PPM)	7.43	NA	8.69	-9.00
ICMP	8	Episode Day 2, 2012	21	CO (PPM)	7.68	NA	8.94	-9.00
ICMP	8	Episode Day 2, 2012	22	CO (PPM)	7.89	NA	8.98	-9.00
ICMP	8	Episode Day 2, 2012	23	CO (PPM)	7.93	NA	8.87	-9.00
ICMP	8	Episode Day 3, 2012	0	CO (PPM)	7.12	NA	7.68	-9.00
ICMP	8	Episode Day 3, 2012	1	CO (PPM)	5.59	NA	5.89	-9.00
ICMP	8	Episode Day 3, 2012	2	CO (PPM)	3.88	NA	4.04	-9.00
ICMP	8	Episode Day 3, 2012	3	CO (PPM)	2.56	NA	2.68	-9.00
ICMP	8	Episode Day 3, 2012	4	CO (PPM)	2.07	NA	2.14	-9.00
ICMP	8	Episode Day 3, 2012	5	CO (PPM)	1.79	NA	1.86	-9.00
ICMP	8	Episode Day 3, 2012	6	CO (PPM)	1.61	NA	1.62	-9.00
ICMP	8	Episode Day 3, 2012	7	CO (PPM)	1.78	NA	1.78	-9.00
ICMP	8	Episode Day 3, 2012	8	CO (PPM)	1.82	NA	1.82	-9.00
ICMP	8	Episode Day 3, 2012	9	CO (PPM)	1.91	NA	1.91	-9.00
ICMP	8	Episode Day 3, 2012	10	CO (PPM)	2.05	NA	2.05	-9.00
ICMP	8	Episode Day 3, 2012	11	CO (PPM)	2.16	NA	2.16	-9.00
ICMP	8	Episode Day 3, 2012	12	CO (PPM)	2.38	NA	2.38	-9.00
ICMP	8	Episode Day 3, 2012	13	CO (PPM)	2.57	NA	2.57	-9.00
ICMP	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ENG	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	1.50
ENG	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.46
ENG	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.32
ENG	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.19
ENG	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.05
ENG	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	0.90
ENG	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	0.76
ENG	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	0.79
ENG	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.21
ENG	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.42
ENG	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.52
ENG	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	1.60
ENG	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	1.67
ENG	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	1.80
ENG	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	1.86
ENG	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	1.76
ENG	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	1.06
ENG	8	Episode Day 2, 2012	3	CO (PPM)	0.41	NA	0.41	0.96
ENG	8	Episode Day 2, 2012	4	CO (PPM)	0.39	NA	0.39	0.88
ENG	8	Episode Day 2, 2012	5	CO (PPM)	0.38	NA	0.38	0.88
ENG	8	Episode Day 2, 2012	6	CO (PPM)	0.34	NA	0.34	0.96
ENG	8	Episode Day 2, 2012	7	CO (PPM)	0.41	NA	0.41	1.40
ENG	8	Episode Day 2, 2012	8	CO (PPM)	0.44	NA	0.44	1.82
ENG	8	Episode Day 2, 2012	9	CO (PPM)	0.45	NA	0.45	1.89
ENG	8	Episode Day 2, 2012	10	CO (PPM)	0.46	NA	0.46	1.91
ENG	8	Episode Day 2, 2012	11	CO (PPM)	0.47	NA	0.47	1.94
ENG	8	Episode Day 2, 2012	12	CO (PPM)	0.49	NA	0.49	1.97
ENG	8	Episode Day 2, 2012	13	CO (PPM)	0.53	NA	0.53	1.96
ENG	8	Episode Day 2, 2012	14	CO (PPM)	0.58	NA	0.58	1.85
ENG	8	Episode Day 2, 2012	15	CO (PPM)	0.65	NA	0.65	1.63
ENG	8	Episode Day 2, 2012	16	CO (PPM)	1.05	NA	1.05	1.89
ENG	8	Episode Day 2, 2012	17	CO (PPM)	1.47	NA	1.47	2.91
ENG	8	Episode Day 2, 2012	18	CO (PPM)	1.60	NA	1.60	3.22
ENG	8	Episode Day 2, 2012	19	CO (PPM)	1.65	NA	1.65	3.38
ENG	8	Episode Day 2, 2012	20	CO (PPM)	1.64	NA	1.64	3.47
ENG	8	Episode Day 2, 2012	21	CO (PPM)	1.61	NA	1.61	3.56
ENG	8	Episode Day 2, 2012	22	CO (PPM)	1.56	NA	1.56	3.66
ENG	8	Episode Day 2, 2012	23	CO (PPM)	1.42	NA	1.42	3.50
ENG	8	Episode Day 3, 2012	0	CO (PPM)	1.00	NA	1.00	2.91
ENG	8	Episode Day 3, 2012	1	CO (PPM)	0.57	NA	0.57	1.86
ENG	8	Episode Day 3, 2012	2	CO (PPM)	0.43	NA	0.43	1.54
ENG	8	Episode Day 3, 2012	3	CO (PPM)	0.38	NA	0.38	1.36
ENG	8	Episode Day 3, 2012	4	CO (PPM)	0.35	NA	0.35	1.22
ENG	8	Episode Day 3, 2012	5	CO (PPM)	0.33	NA	0.33	1.09
ENG	8	Episode Day 3, 2012	6	CO (PPM)	0.33	NA	0.33	1.02
ENG	8	Episode Day 3, 2012	7	CO (PPM)	0.44	NA	0.44	1.26
ENG	8	Episode Day 3, 2012	8	CO (PPM)	0.46	NA	0.46	1.23
ENG	8	Episode Day 3, 2012	9	CO (PPM)	0.49	NA	0.49	1.49
ENG	8	Episode Day 3, 2012	10	CO (PPM)	0.54	NA	0.54	1.69
ENG	8	Episode Day 3, 2012	11	CO (PPM)	0.59	NA	0.59	1.70
ENG	8	Episode Day 3, 2012	12	CO (PPM)	0.64	NA	0.64	1.71
ENG	8	Episode Day 3, 2012	13	CO (PPM)	0.69	NA	0.69	1.70
ENG	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.53
ENG	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.11
ENG	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.17
ENG	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.59
ENG	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.89
ENG	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	2.07
ENG	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	2.17

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ENG	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	2.24
ENG	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	2.35
BOU	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	0.68
BOU	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	0.85
BOU	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	1.19
BOU	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.43
BOU	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.39
BOU	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.28
BOU	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	0.99
BOU	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	0.83
BOU	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	0.70
BOU	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	0.61
BOU	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	0.54
BOU	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	0.46
BOU	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	0.34
BOU	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	0.21
BOU	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	0.19
BOU	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	0.16
BOU	8	Episode Day 2, 2012	3	CO (PPM)	0.39	NA	0.39	0.16
BOU	8	Episode Day 2, 2012	4	CO (PPM)	0.37	NA	0.37	0.20
BOU	8	Episode Day 2, 2012	5	CO (PPM)	0.36	NA	0.36	0.28
BOU	8	Episode Day 2, 2012	6	CO (PPM)	0.30	NA	0.30	0.40
BOU	8	Episode Day 2, 2012	7	CO (PPM)	0.36	NA	0.36	0.66
BOU	8	Episode Day 2, 2012	8	CO (PPM)	0.38	NA	0.38	0.91
BOU	8	Episode Day 2, 2012	9	CO (PPM)	0.41	NA	0.41	1.41
BOU	8	Episode Day 2, 2012	10	CO (PPM)	0.46	NA	0.46	1.76
BOU	8	Episode Day 2, 2012	11	CO (PPM)	0.51	NA	0.51	1.91
BOU	8	Episode Day 2, 2012	12	CO (PPM)	0.56	NA	0.56	2.05
BOU	8	Episode Day 2, 2012	13	CO (PPM)	0.60	NA	0.60	2.13
BOU	8	Episode Day 2, 2012	14	CO (PPM)	0.63	NA	0.63	2.13
BOU	8	Episode Day 2, 2012	15	CO (PPM)	0.71	NA	0.71	2.04
BOU	8	Episode Day 2, 2012	16	CO (PPM)	0.80	NA	0.80	2.01
BOU	8	Episode Day 2, 2012	17	CO (PPM)	0.82	NA	0.82	1.65
BOU	8	Episode Day 2, 2012	18	CO (PPM)	0.80	NA	0.80	1.42
BOU	8	Episode Day 2, 2012	19	CO (PPM)	0.78	NA	0.78	2.07
BOU	8	Episode Day 2, 2012	20	CO (PPM)	0.75	NA	0.75	2.10
BOU	8	Episode Day 2, 2012	21	CO (PPM)	0.72	NA	0.72	2.11
BOU	8	Episode Day 2, 2012	22	CO (PPM)	0.66	NA	0.66	2.06
BOU	8	Episode Day 2, 2012	23	CO (PPM)	0.51	NA	0.51	1.88
BOU	8	Episode Day 3, 2012	0	CO (PPM)	0.40	NA	0.40	1.63
BOU	8	Episode Day 3, 2012	1	CO (PPM)	0.35	NA	0.35	1.46
BOU	8	Episode Day 3, 2012	2	CO (PPM)	0.32	NA	0.32	1.32
BOU	8	Episode Day 3, 2012	3	CO (PPM)	0.28	NA	0.28	0.51
BOU	8	Episode Day 3, 2012	4	CO (PPM)	0.26	NA	0.26	0.32
BOU	8	Episode Day 3, 2012	5	CO (PPM)	0.25	NA	0.25	0.21
BOU	8	Episode Day 3, 2012	6	CO (PPM)	0.27	NA	0.27	0.21
BOU	8	Episode Day 3, 2012	7	CO (PPM)	0.35	NA	0.35	0.66
BOU	8	Episode Day 3, 2012	8	CO (PPM)	0.38	NA	0.38	0.95
BOU	8	Episode Day 3, 2012	9	CO (PPM)	0.40	NA	0.40	1.31
BOU	8	Episode Day 3, 2012	10	CO (PPM)	0.41	NA	0.41	1.40
BOU	8	Episode Day 3, 2012	11	CO (PPM)	0.42	NA	0.42	1.51
BOU	8	Episode Day 3, 2012	12	CO (PPM)	0.45	NA	0.45	1.61
BOU	8	Episode Day 3, 2012	13	CO (PPM)	0.48	NA	0.48	1.72
BOU	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.75
BOU	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.49
BOU	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.32
BOU	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	1.27
BOU	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	1.26
BOU	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	1.26
GRDS	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	3.13
GRDS	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	2.35
GRDS	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	2.04
GRDS	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	1.87
GRDS	8	Episode Day 2, 2012	3	CO (PPM)	0.46	NA	0.46	1.74
GRDS	8	Episode Day 2, 2012	4	CO (PPM)	0.43	NA	0.43	1.62
GRDS	8	Episode Day 2, 2012	5	CO (PPM)	0.41	NA	0.41	1.56
GRDS	8	Episode Day 2, 2012	6	CO (PPM)	0.32	NA	0.32	1.72
GRDS	8	Episode Day 2, 2012	7	CO (PPM)	0.40	NA	0.40	3.39
GRDS	8	Episode Day 2, 2012	8	CO (PPM)	0.44	NA	0.44	5.36
GRDS	8	Episode Day 2, 2012	9	CO (PPM)	0.48	NA	0.48	6.06
GRDS	8	Episode Day 2, 2012	10	CO (PPM)	0.55	NA	0.55	6.22
GRDS	8	Episode Day 2, 2012	11	CO (PPM)	0.61	NA	0.61	6.34
GRDS	8	Episode Day 2, 2012	12	CO (PPM)	0.66	NA	0.66	6.42
GRDS	8	Episode Day 2, 2012	13	CO (PPM)	0.69	NA	0.69	7.13
GRDS	8	Episode Day 2, 2012	14	CO (PPM)	0.72	NA	0.72	6.71
GRDS	8	Episode Day 2, 2012	15	CO (PPM)	0.77	NA	0.77	4.89
GRDS	8	Episode Day 2, 2012	16	CO (PPM)	0.90	NA	0.90	3.19
GRDS	8	Episode Day 2, 2012	17	CO (PPM)	0.93	NA	0.93	3.74
GRDS	8	Episode Day 2, 2012	18	CO (PPM)	0.92	NA	0.92	5.34
GRDS	8	Episode Day 2, 2012	19	CO (PPM)	0.90	NA	0.90	7.09
GRDS	8	Episode Day 2, 2012	20	CO (PPM)	0.88	NA	0.88	8.34
GRDS	8	Episode Day 2, 2012	21	CO (PPM)	0.86	NA	0.86	8.21
GRDS	8	Episode Day 2, 2012	22	CO (PPM)	0.79	NA	0.79	8.32
GRDS	8	Episode Day 2, 2012	23	CO (PPM)	0.63	NA	0.63	8.18
GRDS	8	Episode Day 3, 2012	0	CO (PPM)	0.47	NA	0.47	7.71
GRDS	8	Episode Day 3, 2012	1	CO (PPM)	0.40	NA	0.40	6.46
GRDS	8	Episode Day 3, 2012	2	CO (PPM)	0.35	NA	0.35	4.81
GRDS	8	Episode Day 3, 2012	3	CO (PPM)	0.30	NA	0.30	3.06
GRDS	8	Episode Day 3, 2012	4	CO (PPM)	0.28	NA	0.28	1.74
GRDS	8	Episode Day 3, 2012	5	CO (PPM)	0.26	NA	0.26	0.95
GRDS	8	Episode Day 3, 2012	6	CO (PPM)	0.27	NA	0.27	0.79
GRDS	8	Episode Day 3, 2012	7	CO (PPM)	0.37	NA	0.37	1.62
GRDS	8	Episode Day 3, 2012	8	CO (PPM)	0.40	NA	0.40	2.50
GRDS	8	Episode Day 3, 2012	9	CO (PPM)	0.43	NA	0.43	3.00
GRDS	8	Episode Day 3, 2012	10	CO (PPM)	0.44	NA	0.44	3.13
GRDS	8	Episode Day 3, 2012	11	CO (PPM)	0.46	NA	0.46	3.25
GRDS	8	Episode Day 3, 2012	12	CO (PPM)	0.49	NA	0.49	3.38
GRDS	8	Episode Day 3, 2012	13	CO (PPM)	0.53	NA	0.53	3.50
GRDS	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	3.38
GRDS	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	2.88
GRDS	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	3.88
GRDS	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	4.50
GRDS	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	4.88
GRDS	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	5.25
ARV	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	2.01
ARV	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	2.20
ARV	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	2.04
ARV	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.94
ARV	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.58
ARV	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.80
ARV	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	2.30
ARV	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	2.68
ARV	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	3.36
ARV	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	3.91
ARV	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	4.05
ARV	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	3.99
ARV	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	3.68
ARV	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	3.40
ARV	8	Episode Day 2, 2012	3	CO (PPM)	1.42	NA	1.42	3.09
ARV	8	Episode Day 2, 2012	4	CO (PPM)	1.27	NA	1.27	2.68
ARV	8	Episode Day 2, 2012	5	CO (PPM)	1.16	NA	1.16	2.09
ARV	8	Episode Day 2, 2012	6	CO (PPM)	0.87	NA	0.87	1.89
ARV	8	Episode Day 2, 2012	7	CO (PPM)	0.66	NA	0.66	2.79
ARV	8	Episode Day 2, 2012	8	CO (PPM)	0.59	NA	0.59	3.95
ARV	8	Episode Day 2, 2012	9	CO (PPM)	0.60	NA	0.60	4.61
ARV	8	Episode Day 2, 2012	10	CO (PPM)	0.58	NA	0.58	4.98
ARV	8	Episode Day 2, 2012	11	CO (PPM)	0.61	NA	0.61	5.08
ARV	8	Episode Day 2, 2012	12	CO (PPM)	0.68	NA	0.68	5.14
ARV	8	Episode Day 2, 2012	13	CO (PPM)	0.77	NA	0.77	5.11
ARV	8	Episode Day 2, 2012	14	CO (PPM)	0.86	NA	0.86	4.85
ARV	8	Episode Day 2, 2012	15	CO (PPM)	0.96	NA	0.96	3.98
ARV	8	Episode Day 2, 2012	16	CO (PPM)	1.25	NA	1.25	3.25
ARV	8	Episode Day 2, 2012	17	CO (PPM)	1.42	NA	1.42	3.21
ARV	8	Episode Day 2, 2012	18	CO (PPM)	1.45	NA	1.45	3.44
ARV	8	Episode Day 2, 2012	19	CO (PPM)	1.41	NA	1.41	3.91
ARV	8	Episode Day 2, 2012	20	CO (PPM)	1.35	NA	1.35	4.34
ARV	8	Episode Day 2, 2012	21	CO (PPM)	1.27	NA	1.27	4.65
ARV	8	Episode Day 2, 2012	22	CO (PPM)	1.18	NA	1.18	4.84
ARV	8	Episode Day 2, 2012	23	CO (PPM)	1.04	NA	1.04	4.80
ARV	8	Episode Day 3, 2012	0	CO (PPM)	0.71	NA	0.71	4.34
ARV	8	Episode Day 3, 2012	1	CO (PPM)	0.48	NA	0.48	3.70
ARV	8	Episode Day 3, 2012	2	CO (PPM)	0.40	NA	0.40	3.06
ARV	8	Episode Day 3, 2012	3	CO (PPM)	0.36	NA	0.36	2.43
ARV	8	Episode Day 3, 2012	4	CO (PPM)	0.34	NA	0.34	1.86
ARV	8	Episode Day 3, 2012	5	CO (PPM)	0.32	NA	0.32	1.49
ARV	8	Episode Day 3, 2012	6	CO (PPM)	0.34	NA	0.34	1.45
ARV	8	Episode Day 3, 2012	7	CO (PPM)	0.46	NA	0.46	2.19
ARV	8	Episode Day 3, 2012	8	CO (PPM)	0.51	NA	0.51	2.91
ARV	8	Episode Day 3, 2012	9	CO (PPM)	0.57	NA	0.57	3.33
ARV	8	Episode Day 3, 2012	10	CO (PPM)	0.62	NA	0.62	3.64
ARV	8	Episode Day 3, 2012	11	CO (PPM)	0.68	NA	0.68	3.66
ARV	8	Episode Day 3, 2012	12	CO (PPM)	0.74	NA	0.74	3.71
ARV	8	Episode Day 3, 2012	13	CO (PPM)	0.82	NA	0.82	3.70
ARV	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	3.41
ARV	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	2.39
ARV	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.69
ARV	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	2.25
ARV	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	2.72
ARV	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	3.09
ARV	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	3.46
ARV	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	3.89
ARV	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	4.01
HLD	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	0.75
HLD	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	0.71
HLD	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	0.66
HLD	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	0.57
HLD	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	0.52
HLD	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	0.37
HLD	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	0.11
HLD	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	0.14
HLD	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	0.16
HLD	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	0.24
HLD	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	0.26
HLD	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	0.30
HLD	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	0.31
HLD	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	0.27
HLD	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	0.25
HLD	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 2, 2012	3	CO (PPM)	0.23	NA	0.23	0.20
HLD	8	Episode Day 2, 2012	4	CO (PPM)	0.23	NA	0.23	0.19
HLD	8	Episode Day 2, 2012	5	CO (PPM)	0.23	NA	0.23	0.17
HLD	8	Episode Day 2, 2012	6	CO (PPM)	0.23	NA	0.23	0.15
HLD	8	Episode Day 2, 2012	7	CO (PPM)	0.25	NA	0.25	0.14
HLD	8	Episode Day 2, 2012	8	CO (PPM)	0.25	NA	0.25	0.11
HLD	8	Episode Day 2, 2012	9	CO (PPM)	0.26	NA	0.26	0.09
HLD	8	Episode Day 2, 2012	10	CO (PPM)	0.26	NA	0.26	0.07
HLD	8	Episode Day 2, 2012	11	CO (PPM)	0.26	NA	0.26	0.05
HLD	8	Episode Day 2, 2012	12	CO (PPM)	0.28	NA	0.28	0.04
HLD	8	Episode Day 2, 2012	13	CO (PPM)	0.31	NA	0.31	0.02
HLD	8	Episode Day 2, 2012	14	CO (PPM)	0.36	NA	0.36	0.01
HLD	8	Episode Day 2, 2012	15	CO (PPM)	0.44	NA	0.44	0.09
HLD	8	Episode Day 2, 2012	16	CO (PPM)	0.72	NA	0.72	0.59
HLD	8	Episode Day 2, 2012	17	CO (PPM)	1.10	NA	1.10	1.14
HLD	8	Episode Day 2, 2012	18	CO (PPM)	1.20	NA	1.20	1.34
HLD	8	Episode Day 2, 2012	19	CO (PPM)	1.22	NA	1.22	1.42
HLD	8	Episode Day 2, 2012	20	CO (PPM)	1.21	NA	1.21	1.49
HLD	8	Episode Day 2, 2012	21	CO (PPM)	1.18	NA	1.18	1.52
HLD	8	Episode Day 2, 2012	22	CO (PPM)	1.14	NA	1.14	1.56
HLD	8	Episode Day 2, 2012	23	CO (PPM)	1.04	NA	1.04	1.52
HLD	8	Episode Day 3, 2012	0	CO (PPM)	0.75	NA	0.75	1.07
HLD	8	Episode Day 3, 2012	1	CO (PPM)	0.38	NA	0.38	0.57
HLD	8	Episode Day 3, 2012	2	CO (PPM)	0.27	NA	0.27	0.44
HLD	8	Episode Day 3, 2012	3	CO (PPM)	0.25	NA	0.25	0.41
HLD	8	Episode Day 3, 2012	4	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2012	5	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2012	6	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2012	7	CO (PPM)	0.32	NA	0.32	0.59
HLD	8	Episode Day 3, 2012	8	CO (PPM)	0.38	NA	0.38	0.79
HLD	8	Episode Day 3, 2012	9	CO (PPM)	0.44	NA	0.44	0.87
HLD	8	Episode Day 3, 2012	10	CO (PPM)	0.47	NA	0.47	0.81
HLD	8	Episode Day 3, 2012	11	CO (PPM)	0.49	NA	0.49	0.75
HLD	8	Episode Day 3, 2012	12	CO (PPM)	0.53	NA	0.53	0.70
HLD	8	Episode Day 3, 2012	13	CO (PPM)	0.58	NA	0.58	0.66
HLD	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	0.39
HLD	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	0.17
HLD	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	0.20
HLD	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	0.32
HLD	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	0.36
HLD	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	0.41
HLD	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	0.64
AUR	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2012	3	CO (PPM)	0.56	NA	0.56	-9.00
AUR	8	Episode Day 2, 2012	4	CO (PPM)	0.53	NA	0.53	-9.00
AUR	8	Episode Day 2, 2012	5	CO (PPM)	0.51	NA	0.51	-9.00
AUR	8	Episode Day 2, 2012	6	CO (PPM)	0.48	NA	0.48	-9.00
AUR	8	Episode Day 2, 2012	7	CO (PPM)	0.52	NA	0.52	-9.00
AUR	8	Episode Day 2, 2012	8	CO (PPM)	0.55	NA	0.55	-9.00
AUR	8	Episode Day 2, 2012	9	CO (PPM)	0.57	NA	0.57	-9.00
AUR	8	Episode Day 2, 2012	10	CO (PPM)	0.58	NA	0.58	-9.00
AUR	8	Episode Day 2, 2012	11	CO (PPM)	0.59	NA	0.59	-9.00
AUR	8	Episode Day 2, 2012	12	CO (PPM)	0.61	NA	0.61	-9.00
AUR	8	Episode Day 2, 2012	13	CO (PPM)	0.63	NA	0.63	-9.00
AUR	8	Episode Day 2, 2012	14	CO (PPM)	0.66	NA	0.66	-9.00
AUR	8	Episode Day 2, 2012	15	CO (PPM)	0.67	NA	0.67	-9.00
AUR	8	Episode Day 2, 2012	16	CO (PPM)	0.85	NA	0.85	-9.00
AUR	8	Episode Day 2, 2012	17	CO (PPM)	1.14	NA	1.14	-9.00
AUR	8	Episode Day 2, 2012	18	CO (PPM)	1.49	NA	1.49	-9.00
AUR	8	Episode Day 2, 2012	19	CO (PPM)	1.95	NA	1.95	-9.00
AUR	8	Episode Day 2, 2012	20	CO (PPM)	2.39	NA	2.39	-9.00
AUR	8	Episode Day 2, 2012	21	CO (PPM)	2.48	NA	2.48	-9.00
AUR	8	Episode Day 2, 2012	22	CO (PPM)	2.50	NA	2.50	-9.00
AUR	8	Episode Day 2, 2012	23	CO (PPM)	2.44	NA	2.44	-9.00
AUR	8	Episode Day 3, 2012	0	CO (PPM)	2.20	NA	2.20	-9.00
AUR	8	Episode Day 3, 2012	1	CO (PPM)	1.88	NA	1.88	-9.00
AUR	8	Episode Day 3, 2012	2	CO (PPM)	1.52	NA	1.52	-9.00
AUR	8	Episode Day 3, 2012	3	CO (PPM)	1.04	NA	1.04	-9.00
AUR	8	Episode Day 3, 2012	4	CO (PPM)	0.58	NA	0.58	-9.00
AUR	8	Episode Day 3, 2012	5	CO (PPM)	0.46	NA	0.46	-9.00
AUR	8	Episode Day 3, 2012	6	CO (PPM)	0.40	NA	0.40	-9.00
AUR	8	Episode Day 3, 2012	7	CO (PPM)	0.45	NA	0.45	-9.00
AUR	8	Episode Day 3, 2012	8	CO (PPM)	0.47	NA	0.47	-9.00
AUR	8	Episode Day 3, 2012	9	CO (PPM)	0.49	NA	0.49	-9.00
AUR	8	Episode Day 3, 2012	10	CO (PPM)	0.53	NA	0.53	-9.00
AUR	8	Episode Day 3, 2012	11	CO (PPM)	0.56	NA	0.56	-9.00
AUR	8	Episode Day 3, 2012	12	CO (PPM)	0.60	NA	0.60	-9.00
AUR	8	Episode Day 3, 2012	13	CO (PPM)	0.65	NA	0.65	-9.00
AUR	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AURS	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	1.00
AURS	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	1.09
AURS	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	1.21
AURS	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	1.32
AURS	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	1.46
AURS	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	1.51

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	1.54
AURS	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	1.31
AURS	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.10
AURS	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.07
AURS	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.36
AURS	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	1.35
AURS	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	1.42
AURS	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	0.98
AURS	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	0.81
AURS	8	Episode Day 2, 2012	3	CO (PPM)	0.39	NA	0.39	0.69
AURS	8	Episode Day 2, 2012	4	CO (PPM)	0.37	NA	0.37	0.61
AURS	8	Episode Day 2, 2012	5	CO (PPM)	0.37	NA	0.37	0.63
AURS	8	Episode Day 2, 2012	6	CO (PPM)	0.36	NA	0.36	0.85
AURS	8	Episode Day 2, 2012	7	CO (PPM)	0.43	NA	0.43	1.23
AURS	8	Episode Day 2, 2012	8	CO (PPM)	0.46	NA	0.46	1.46
AURS	8	Episode Day 2, 2012	9	CO (PPM)	0.47	NA	0.47	1.69
AURS	8	Episode Day 2, 2012	10	CO (PPM)	0.48	NA	0.48	1.91
AURS	8	Episode Day 2, 2012	11	CO (PPM)	0.49	NA	0.49	2.21
AURS	8	Episode Day 2, 2012	12	CO (PPM)	0.51	NA	0.51	2.46
AURS	8	Episode Day 2, 2012	13	CO (PPM)	0.55	NA	0.55	2.66
AURS	8	Episode Day 2, 2012	14	CO (PPM)	0.59	NA	0.59	2.53
AURS	8	Episode Day 2, 2012	15	CO (PPM)	0.62	NA	0.62	2.36
AURS	8	Episode Day 2, 2012	16	CO (PPM)	0.98	NA	0.98	2.69
AURS	8	Episode Day 2, 2012	17	CO (PPM)	1.65	NA	1.65	3.80
AURS	8	Episode Day 2, 2012	18	CO (PPM)	2.39	NA	2.39	4.24
AURS	8	Episode Day 2, 2012	19	CO (PPM)	2.83	NA	2.83	4.28
AURS	8	Episode Day 2, 2012	20	CO (PPM)	2.88	NA	2.88	4.26
AURS	8	Episode Day 2, 2012	21	CO (PPM)	2.88	NA	2.88	4.18
AURS	8	Episode Day 2, 2012	22	CO (PPM)	2.85	NA	2.85	4.18
AURS	8	Episode Day 2, 2012	23	CO (PPM)	2.73	NA	2.73	4.01
AURS	8	Episode Day 3, 2012	0	CO (PPM)	2.33	NA	2.33	3.45
AURS	8	Episode Day 3, 2012	1	CO (PPM)	1.66	NA	1.66	2.11
AURS	8	Episode Day 3, 2012	2	CO (PPM)	0.92	NA	0.92	1.48
AURS	8	Episode Day 3, 2012	3	CO (PPM)	0.47	NA	0.47	1.16
AURS	8	Episode Day 3, 2012	4	CO (PPM)	0.39	NA	0.39	0.98
AURS	8	Episode Day 3, 2012	5	CO (PPM)	0.35	NA	0.35	0.90
AURS	8	Episode Day 3, 2012	6	CO (PPM)	0.34	NA	0.34	1.36
AURS	8	Episode Day 3, 2012	7	CO (PPM)	0.42	NA	0.42	2.06
AURS	8	Episode Day 3, 2012	8	CO (PPM)	0.44	NA	0.44	2.59
AURS	8	Episode Day 3, 2012	9	CO (PPM)	0.47	NA	0.47	2.94
AURS	8	Episode Day 3, 2012	10	CO (PPM)	0.50	NA	0.50	2.99
AURS	8	Episode Day 3, 2012	11	CO (PPM)	0.52	NA	0.52	3.04
AURS	8	Episode Day 3, 2012	12	CO (PPM)	0.56	NA	0.56	3.04
AURS	8	Episode Day 3, 2012	13	CO (PPM)	0.60	NA	0.60	2.99
AURS	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	2.41
AURS	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	1.65
AURS	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	1.25
AURS	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	1.26
AURS	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	1.64
AURS	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	1.86
AURS	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	2.15
AURS	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	2.36
AURS	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	2.45
AURS	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	2.49
PLM	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2012	3	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 2, 2012	4	CO (PPM)	0.68	NA	0.68	-9.00
PLM	8	Episode Day 2, 2012	5	CO (PPM)	0.65	NA	0.65	-9.00
PLM	8	Episode Day 2, 2012	6	CO (PPM)	0.59	NA	0.59	-9.00
PLM	8	Episode Day 2, 2012	7	CO (PPM)	0.65	NA	0.65	-9.00
PLM	8	Episode Day 2, 2012	8	CO (PPM)	0.68	NA	0.68	-9.00
PLM	8	Episode Day 2, 2012	9	CO (PPM)	0.72	NA	0.72	-9.00
PLM	8	Episode Day 2, 2012	10	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 2, 2012	11	CO (PPM)	0.75	NA	0.75	-9.00
PLM	8	Episode Day 2, 2012	12	CO (PPM)	0.77	NA	0.77	-9.00
PLM	8	Episode Day 2, 2012	13	CO (PPM)	0.80	NA	0.80	-9.00
PLM	8	Episode Day 2, 2012	14	CO (PPM)	0.84	NA	0.84	-9.00
PLM	8	Episode Day 2, 2012	15	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 2, 2012	16	CO (PPM)	1.09	NA	1.09	-9.00
PLM	8	Episode Day 2, 2012	17	CO (PPM)	1.49	NA	1.49	-9.00
PLM	8	Episode Day 2, 2012	18	CO (PPM)	2.01	NA	2.01	-9.00
PLM	8	Episode Day 2, 2012	19	CO (PPM)	2.69	NA	2.69	-9.00
PLM	8	Episode Day 2, 2012	20	CO (PPM)	2.86	NA	2.86	-9.00
PLM	8	Episode Day 2, 2012	21	CO (PPM)	2.91	NA	2.91	-9.00
PLM	8	Episode Day 2, 2012	22	CO (PPM)	2.92	NA	2.92	-9.00
PLM	8	Episode Day 2, 2012	23	CO (PPM)	2.84	NA	2.84	-9.00
PLM	8	Episode Day 3, 2012	0	CO (PPM)	2.52	NA	2.52	-9.00
PLM	8	Episode Day 3, 2012	1	CO (PPM)	2.07	NA	2.07	-9.00
PLM	8	Episode Day 3, 2012	2	CO (PPM)	1.53	NA	1.53	-9.00
PLM	8	Episode Day 3, 2012	3	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 3, 2012	4	CO (PPM)	0.62	NA	0.62	-9.00
PLM	8	Episode Day 3, 2012	5	CO (PPM)	0.54	NA	0.54	-9.00
PLM	8	Episode Day 3, 2012	6	CO (PPM)	0.47	NA	0.47	-9.00
PLM	8	Episode Day 3, 2012	7	CO (PPM)	0.56	NA	0.56	-9.00
PLM	8	Episode Day 3, 2012	8	CO (PPM)	0.60	NA	0.60	-9.00
PLM	8	Episode Day 3, 2012	9	CO (PPM)	0.63	NA	0.63	-9.00
PLM	8	Episode Day 3, 2012	10	CO (PPM)	0.67	NA	0.67	-9.00
PLM	8	Episode Day 3, 2012	11	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 3, 2012	12	CO (PPM)	0.79	NA	0.79	-9.00
PLM	8	Episode Day 3, 2012	13	CO (PPM)	0.86	NA	0.86	-9.00
PLM	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2012	3	CO (PPM)	0.41	NA	0.41	-9.00
BTN	8	Episode Day 2, 2012	4	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2012	5	CO (PPM)	0.39	NA	0.39	-9.00
BTN	8	Episode Day 2, 2012	6	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2012	7	CO (PPM)	0.42	NA	0.42	-9.00
BTN	8	Episode Day 2, 2012	8	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 2, 2012	9	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 2, 2012	10	CO (PPM)	0.45	NA	0.45	-9.00
BTN	8	Episode Day 2, 2012	11	CO (PPM)	0.49	NA	0.49	-9.00
BTN	8	Episode Day 2, 2012	12	CO (PPM)	0.54	NA	0.54	-9.00
BTN	8	Episode Day 2, 2012	13	CO (PPM)	0.59	NA	0.59	-9.00
BTN	8	Episode Day 2, 2012	14	CO (PPM)	0.65	NA	0.65	-9.00
BTN	8	Episode Day 2, 2012	15	CO (PPM)	0.70	NA	0.70	-9.00
BTN	8	Episode Day 2, 2012	16	CO (PPM)	0.80	NA	0.80	-9.00
BTN	8	Episode Day 2, 2012	17	CO (PPM)	0.91	NA	0.91	-9.00
BTN	8	Episode Day 2, 2012	18	CO (PPM)	1.02	NA	1.02	-9.00
BTN	8	Episode Day 2, 2012	19	CO (PPM)	1.08	NA	1.08	-9.00
BTN	8	Episode Day 2, 2012	20	CO (PPM)	1.08	NA	1.08	-9.00
BTN	8	Episode Day 2, 2012	21	CO (PPM)	1.09	NA	1.09	-9.00
BTN	8	Episode Day 2, 2012	22	CO (PPM)	1.17	NA	1.17	-9.00
BTN	8	Episode Day 2, 2012	23	CO (PPM)	1.26	NA	1.26	-9.00
BTN	8	Episode Day 3, 2012	0	CO (PPM)	1.24	NA	1.24	-9.00
BTN	8	Episode Day 3, 2012	1	CO (PPM)	1.16	NA	1.16	-9.00
BTN	8	Episode Day 3, 2012	2	CO (PPM)	1.05	NA	1.05	-9.00
BTN	8	Episode Day 3, 2012	3	CO (PPM)	0.94	NA	0.94	-9.00
BTN	8	Episode Day 3, 2012	4	CO (PPM)	0.89	NA	0.89	-9.00
BTN	8	Episode Day 3, 2012	5	CO (PPM)	0.83	NA	0.83	-9.00
BTN	8	Episode Day 3, 2012	6	CO (PPM)	0.70	NA	0.70	-9.00
BTN	8	Episode Day 3, 2012	7	CO (PPM)	0.54	NA	0.54	-9.00
BTN	8	Episode Day 3, 2012	8	CO (PPM)	0.45	NA	0.45	-9.00
BTN	8	Episode Day 3, 2012	9	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 3, 2012	10	CO (PPM)	0.37	NA	0.37	-9.00
BTN	8	Episode Day 3, 2012	11	CO (PPM)	0.35	NA	0.35	-9.00
BTN	8	Episode Day 3, 2012	12	CO (PPM)	0.35	NA	0.35	-9.00
BTN	8	Episode Day 3, 2012	13	CO (PPM)	0.36	NA	0.36	-9.00
BTN	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2012	3	CO (PPM)	0.74	NA	0.74	-9.00
U_1	8	Episode Day 2, 2012	4	CO (PPM)	0.70	NA	0.70	-9.00
U_1	8	Episode Day 2, 2012	5	CO (PPM)	0.67	NA	0.67	-9.00
U_1	8	Episode Day 2, 2012	6	CO (PPM)	0.62	NA	0.62	-9.00
U_1	8	Episode Day 2, 2012	7	CO (PPM)	0.71	NA	0.71	-9.00
U_1	8	Episode Day 2, 2012	8	CO (PPM)	0.76	NA	0.76	-9.00
U_1	8	Episode Day 2, 2012	9	CO (PPM)	0.79	NA	0.79	-9.00
U_1	8	Episode Day 2, 2012	10	CO (PPM)	0.79	NA	0.79	-9.00
U_1	8	Episode Day 2, 2012	11	CO (PPM)	0.81	NA	0.81	-9.00
U_1	8	Episode Day 2, 2012	12	CO (PPM)	0.85	NA	0.85	-9.00
U_1	8	Episode Day 2, 2012	13	CO (PPM)	0.91	NA	0.91	-9.00
U_1	8	Episode Day 2, 2012	14	CO (PPM)	1.01	NA	1.01	-9.00
U_1	8	Episode Day 2, 2012	15	CO (PPM)	1.04	NA	1.04	-9.00
U_1	8	Episode Day 2, 2012	16	CO (PPM)	1.52	NA	1.52	-9.00
U_1	8	Episode Day 2, 2012	17	CO (PPM)	2.51	NA	2.51	-9.00
U_1	8	Episode Day 2, 2012	18	CO (PPM)	3.52	NA	3.52	-9.00
U_1	8	Episode Day 2, 2012	19	CO (PPM)	3.79	NA	3.79	-9.00
U_1	8	Episode Day 2, 2012	20	CO (PPM)	3.84	NA	3.84	-9.00
U_1	8	Episode Day 2, 2012	21	CO (PPM)	3.85	NA	3.85	-9.00
U_1	8	Episode Day 2, 2012	22	CO (PPM)	3.79	NA	3.79	-9.00
U_1	8	Episode Day 2, 2012	23	CO (PPM)	3.63	NA	3.63	-9.00
U_1	8	Episode Day 3, 2012	0	CO (PPM)	3.09	NA	3.09	-9.00
U_1	8	Episode Day 3, 2012	1	CO (PPM)	2.08	NA	2.08	-9.00
U_1	8	Episode Day 3, 2012	2	CO (PPM)	1.05	NA	1.05	-9.00
U_1	8	Episode Day 3, 2012	3	CO (PPM)	0.75	NA	0.75	-9.00
U_1	8	Episode Day 3, 2012	4	CO (PPM)	0.65	NA	0.65	-9.00
U_1	8	Episode Day 3, 2012	5	CO (PPM)	0.58	NA	0.58	-9.00
U_1	8	Episode Day 3, 2012	6	CO (PPM)	0.56	NA	0.56	-9.00
U_1	8	Episode Day 3, 2012	7	CO (PPM)	0.75	NA	0.75	-9.00
U_1	8	Episode Day 3, 2012	8	CO (PPM)	0.85	NA	0.85	-9.00
U_1	8	Episode Day 3, 2012	9	CO (PPM)	0.91	NA	0.91	-9.00
U_1	8	Episode Day 3, 2012	10	CO (PPM)	0.97	NA	0.97	-9.00
U_1	8	Episode Day 3, 2012	11	CO (PPM)	1.03	NA	1.03	-9.00
U_1	8	Episode Day 3, 2012	12	CO (PPM)	1.13	NA	1.13	-9.00
U_1	8	Episode Day 3, 2012	13	CO (PPM)	1.24	NA	1.24	-9.00
U_1	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2012	3	CO (PPM)	0.51	NA	0.51	-9.00
F_A	8	Episode Day 2, 2012	4	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 2, 2012	5	CO (PPM)	0.46	NA	0.46	-9.00
F_A	8	Episode Day 2, 2012	6	CO (PPM)	0.37	NA	0.37	-9.00
F_A	8	Episode Day 2, 2012	7	CO (PPM)	0.45	NA	0.45	-9.00
F_A	8	Episode Day 2, 2012	8	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 2, 2012	9	CO (PPM)	0.54	NA	0.54	-9.00
F_A	8	Episode Day 2, 2012	10	CO (PPM)	0.58	NA	0.58	-9.00
F_A	8	Episode Day 2, 2012	11	CO (PPM)	0.61	NA	0.61	-9.00
F_A	8	Episode Day 2, 2012	12	CO (PPM)	0.64	NA	0.64	-9.00
F_A	8	Episode Day 2, 2012	13	CO (PPM)	0.66	NA	0.66	-9.00
F_A	8	Episode Day 2, 2012	14	CO (PPM)	0.67	NA	0.67	-9.00
F_A	8	Episode Day 2, 2012	15	CO (PPM)	0.65	NA	0.65	-9.00
F_A	8	Episode Day 2, 2012	16	CO (PPM)	0.79	NA	0.79	-9.00
F_A	8	Episode Day 2, 2012	17	CO (PPM)	0.84	NA	0.84	-9.00
F_A	8	Episode Day 2, 2012	18	CO (PPM)	0.86	NA	0.86	-9.00
F_A	8	Episode Day 2, 2012	19	CO (PPM)	0.89	NA	0.89	-9.00
F_A	8	Episode Day 2, 2012	20	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2012	21	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2012	22	CO (PPM)	0.87	NA	0.87	-9.00
F_A	8	Episode Day 2, 2012	23	CO (PPM)	0.76	NA	0.76	-9.00
F_A	8	Episode Day 3, 2012	0	CO (PPM)	0.57	NA	0.57	-9.00
F_A	8	Episode Day 3, 2012	1	CO (PPM)	0.48	NA	0.48	-9.00
F_A	8	Episode Day 3, 2012	2	CO (PPM)	0.42	NA	0.42	-9.00
F_A	8	Episode Day 3, 2012	3	CO (PPM)	0.36	NA	0.36	-9.00
F_A	8	Episode Day 3, 2012	4	CO (PPM)	0.31	NA	0.31	-9.00
F_A	8	Episode Day 3, 2012	5	CO (PPM)	0.29	NA	0.29	-9.00
F_A	8	Episode Day 3, 2012	6	CO (PPM)	0.30	NA	0.30	-9.00
F_A	8	Episode Day 3, 2012	7	CO (PPM)	0.40	NA	0.40	-9.00
F_A	8	Episode Day 3, 2012	8	CO (PPM)	0.44	NA	0.44	-9.00
F_A	8	Episode Day 3, 2012	9	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2012	10	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2012	11	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 3, 2012	12	CO (PPM)	0.51	NA	0.51	-9.00
F_A	8	Episode Day 3, 2012	13	CO (PPM)	0.56	NA	0.56	-9.00
F_A	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2012	3	CO (PPM)	0.37	NA	0.37	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	8	Episode Day 2, 2012	4	CO (PPM)	0.36	NA	0.36	-9.00
H_U	8	Episode Day 2, 2012	5	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 2, 2012	6	CO (PPM)	0.33	NA	0.33	-9.00
H_U	8	Episode Day 2, 2012	7	CO (PPM)	0.37	NA	0.37	-9.00
H_U	8	Episode Day 2, 2012	8	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2012	9	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2012	10	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2012	11	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 2, 2012	12	CO (PPM)	0.42	NA	0.42	-9.00
H_U	8	Episode Day 2, 2012	13	CO (PPM)	0.46	NA	0.46	-9.00
H_U	8	Episode Day 2, 2012	14	CO (PPM)	0.53	NA	0.53	-9.00
H_U	8	Episode Day 2, 2012	15	CO (PPM)	0.67	NA	0.67	-9.00
H_U	8	Episode Day 2, 2012	16	CO (PPM)	1.12	NA	1.12	-9.00
H_U	8	Episode Day 2, 2012	17	CO (PPM)	1.63	NA	1.63	-9.00
H_U	8	Episode Day 2, 2012	18	CO (PPM)	1.81	NA	1.81	-9.00
H_U	8	Episode Day 2, 2012	19	CO (PPM)	1.87	NA	1.87	-9.00
H_U	8	Episode Day 2, 2012	20	CO (PPM)	1.88	NA	1.88	-9.00
H_U	8	Episode Day 2, 2012	21	CO (PPM)	1.85	NA	1.85	-9.00
H_U	8	Episode Day 2, 2012	22	CO (PPM)	1.78	NA	1.78	-9.00
H_U	8	Episode Day 2, 2012	23	CO (PPM)	1.59	NA	1.59	-9.00
H_U	8	Episode Day 3, 2012	0	CO (PPM)	1.12	NA	1.12	-9.00
H_U	8	Episode Day 3, 2012	1	CO (PPM)	0.61	NA	0.61	-9.00
H_U	8	Episode Day 3, 2012	2	CO (PPM)	0.42	NA	0.42	-9.00
H_U	8	Episode Day 3, 2012	3	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 3, 2012	4	CO (PPM)	0.33	NA	0.33	-9.00
H_U	8	Episode Day 3, 2012	5	CO (PPM)	0.32	NA	0.32	-9.00
H_U	8	Episode Day 3, 2012	6	CO (PPM)	0.32	NA	0.32	-9.00
H_U	8	Episode Day 3, 2012	7	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 3, 2012	8	CO (PPM)	0.43	NA	0.43	-9.00
H_U	8	Episode Day 3, 2012	9	CO (PPM)	0.46	NA	0.46	-9.00
H_U	8	Episode Day 3, 2012	10	CO (PPM)	0.51	NA	0.51	-9.00
H_U	8	Episode Day 3, 2012	11	CO (PPM)	0.55	NA	0.55	-9.00
H_U	8	Episode Day 3, 2012	12	CO (PPM)	0.59	NA	0.59	-9.00
H_U	8	Episode Day 3, 2012	13	CO (PPM)	0.64	NA	0.64	-9.00
H_U	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2012	3	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 2, 2012	4	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2012	5	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2012	6	CO (PPM)	0.25	NA	0.25	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	8	Episode Day 2, 2012	7	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 2, 2012	8	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2012	9	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2012	10	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2012	11	CO (PPM)	0.29	NA	0.29	-9.00
U_A	8	Episode Day 2, 2012	12	CO (PPM)	0.31	NA	0.31	-9.00
U_A	8	Episode Day 2, 2012	13	CO (PPM)	0.34	NA	0.34	-9.00
U_A	8	Episode Day 2, 2012	14	CO (PPM)	0.39	NA	0.39	-9.00
U_A	8	Episode Day 2, 2012	15	CO (PPM)	0.48	NA	0.48	-9.00
U_A	8	Episode Day 2, 2012	16	CO (PPM)	0.80	NA	0.80	-9.00
U_A	8	Episode Day 2, 2012	17	CO (PPM)	1.18	NA	1.18	-9.00
U_A	8	Episode Day 2, 2012	18	CO (PPM)	1.32	NA	1.32	-9.00
U_A	8	Episode Day 2, 2012	19	CO (PPM)	1.34	NA	1.34	-9.00
U_A	8	Episode Day 2, 2012	20	CO (PPM)	1.33	NA	1.33	-9.00
U_A	8	Episode Day 2, 2012	21	CO (PPM)	1.31	NA	1.31	-9.00
U_A	8	Episode Day 2, 2012	22	CO (PPM)	1.26	NA	1.26	-9.00
U_A	8	Episode Day 2, 2012	23	CO (PPM)	1.15	NA	1.15	-9.00
U_A	8	Episode Day 3, 2012	0	CO (PPM)	0.82	NA	0.82	-9.00
U_A	8	Episode Day 3, 2012	1	CO (PPM)	0.44	NA	0.44	-9.00
U_A	8	Episode Day 3, 2012	2	CO (PPM)	0.30	NA	0.30	-9.00
U_A	8	Episode Day 3, 2012	3	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 3, 2012	4	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2012	5	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 3, 2012	6	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2012	7	CO (PPM)	0.34	NA	0.34	-9.00
U_A	8	Episode Day 3, 2012	8	CO (PPM)	0.38	NA	0.38	-9.00
U_A	8	Episode Day 3, 2012	9	CO (PPM)	0.43	NA	0.43	-9.00
U_A	8	Episode Day 3, 2012	10	CO (PPM)	0.47	NA	0.47	-9.00
U_A	8	Episode Day 3, 2012	11	CO (PPM)	0.50	NA	0.50	-9.00
U_A	8	Episode Day 3, 2012	12	CO (PPM)	0.54	NA	0.54	-9.00
U_A	8	Episode Day 3, 2012	13	CO (PPM)	0.59	NA	0.59	-9.00
U_A	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	0	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	1	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	2	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	3	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	4	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	5	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	6	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2012	7	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	8	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	9	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	10	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	11	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	12	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	13	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2012	0	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2012	1	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2012	2	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2012	3	CO (PPM)	0.45	NA	0.45	-9.00
P_I	8	Episode Day 2, 2012	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 2, 2012	5	CO (PPM)	0.42	NA	0.42	-9.00
P_I	8	Episode Day 2, 2012	6	CO (PPM)	0.41	NA	0.41	-9.00
P_I	8	Episode Day 2, 2012	7	CO (PPM)	0.49	NA	0.49	-9.00
P_I	8	Episode Day 2, 2012	8	CO (PPM)	0.53	NA	0.53	-9.00
P_I	8	Episode Day 2, 2012	9	CO (PPM)	0.54	NA	0.54	-9.00

High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2012 PREDICTED (UAM)	2012 PREDICTED (CAL3QHC)	2012 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	8	Episode Day 2, 2012	10	CO (PPM)	0.55	NA	0.55	-9.00
P_I	8	Episode Day 2, 2012	11	CO (PPM)	0.56	NA	0.56	-9.00
P_I	8	Episode Day 2, 2012	12	CO (PPM)	0.58	NA	0.58	-9.00
P_I	8	Episode Day 2, 2012	13	CO (PPM)	0.61	NA	0.61	-9.00
P_I	8	Episode Day 2, 2012	14	CO (PPM)	0.63	NA	0.63	-9.00
P_I	8	Episode Day 2, 2012	15	CO (PPM)	0.63	NA	0.63	-9.00
P_I	8	Episode Day 2, 2012	16	CO (PPM)	0.91	NA	0.91	-9.00
P_I	8	Episode Day 2, 2012	17	CO (PPM)	1.47	NA	1.47	-9.00
P_I	8	Episode Day 2, 2012	18	CO (PPM)	2.18	NA	2.18	-9.00
P_I	8	Episode Day 2, 2012	19	CO (PPM)	2.51	NA	2.51	-9.00
P_I	8	Episode Day 2, 2012	20	CO (PPM)	2.58	NA	2.58	-9.00
P_I	8	Episode Day 2, 2012	21	CO (PPM)	2.60	NA	2.60	-9.00
P_I	8	Episode Day 2, 2012	22	CO (PPM)	2.59	NA	2.59	-9.00
P_I	8	Episode Day 2, 2012	23	CO (PPM)	2.49	NA	2.49	-9.00
P_I	8	Episode Day 3, 2012	0	CO (PPM)	2.15	NA	2.15	-9.00
P_I	8	Episode Day 3, 2012	1	CO (PPM)	1.59	NA	1.59	-9.00
P_I	8	Episode Day 3, 2012	2	CO (PPM)	0.88	NA	0.88	-9.00
P_I	8	Episode Day 3, 2012	3	CO (PPM)	0.52	NA	0.52	-9.00
P_I	8	Episode Day 3, 2012	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 3, 2012	5	CO (PPM)	0.38	NA	0.38	-9.00
P_I	8	Episode Day 3, 2012	6	CO (PPM)	0.36	NA	0.36	-9.00
P_I	8	Episode Day 3, 2012	7	CO (PPM)	0.46	NA	0.46	-9.00
P_I	8	Episode Day 3, 2012	8	CO (PPM)	0.50	NA	0.50	-9.00
P_I	8	Episode Day 3, 2012	9	CO (PPM)	0.55	NA	0.55	-9.00
P_I	8	Episode Day 3, 2012	10	CO (PPM)	0.59	NA	0.59	-9.00
P_I	8	Episode Day 3, 2012	11	CO (PPM)	0.63	NA	0.63	-9.00
P_I	8	Episode Day 3, 2012	12	CO (PPM)	0.68	NA	0.68	-9.00
P_I	8	Episode Day 3, 2012	13	CO (PPM)	0.74	NA	0.74	-9.00
P_I	8	Episode Day 3, 2012	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2012	23	CO (PPM)	-9.00	NA	-9.00	-9.00

NOTE:
NA in THIS report appears for ALL 8-hr avg CAL3QHC values since 8-hr running averages for CAL3QHC results are NOT computed; 1-hr averages for UAM and CAL3QHC are summed and then 8-hour running averages are computed.

MET A7, 08-30-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-30-99 UAM
High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR 8-HR AVERAGING PERIOD:

station	max concentration (1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	18.7	43	18
WBY	8.9	49	0
CRG	10.4	49	0
NJH	11.3	47	22
TIV	0.0	0	0
ICMP	0.0	0	0
ENG	3.7	47	22
BOU	2.1	38	13
GRDS	8.3	45	20
ARV	5.1	37	12
HLD	1.6	47	22
AUR	0.0	0	0
AURS	4.3	44	19
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2012 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	7.9	48	23
WBY	4.1	50	1
CRG	4.0	48	23
NJH	3.4	47	22
TIV	7.3	47	22
ICMP	9.0	47	22
ENG	1.6	44	19
BOU	0.8	42	17
GRDS	0.9	42	17
ARV	1.4	43	18
HLD	1.2	44	19
AUR	2.5	47	22
AURS	2.9	45	20
PLM	2.9	47	22
BTN	1.3	48	23
U_1	3.9	46	21
F_A	0.9	45	20
H_U	1.9	45	20
U_A	1.3	44	19
P_I	2.6	46	21

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

MET A7, 08-30-99 EI, 01-11-94 PT, 09-09-99 CAL, 08-30-99 UAM
High: 2012 mob=868.8tpd;1.5;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR 1-HR AVERAGING PERIOD:

station	max concentration (1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	50.5	42	17
WBY	13.4	43	18
CRG	16.3	44	19
NJH	22.9	42	17
TIV	0.0	0	0
ICMP	0.0	0	0
ENG	9.4	42	17

BOU	6.5	44	19
GRDS	16.6	33	8
ARV	11.0	33	8
HLD	4.4	42	17
AUR	0.0	0	0
AURS	11.2	42	17
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2012 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	14.7	43	18
WBY	5.2	48	23
CRG	5.3	43	18
NJH	6.4	44	19
TIV	14.4	43	18
ICMP	15.9	42	17
ENG	3.8	41	16
BOU	1.5	40	15
GRDS	1.6	41	16
ARV	2.9	41	16
HLD	3.2	42	17
AUR	4.1	44	19
AURS	6.2	43	18
PLM	5.9	44	19
BTN	1.7	48	23
U_1	8.6	43	18
F_A	1.8	41	16
H_U	4.4	42	17
U_A	3.3	42	17
P_I	6.0	43	18

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

Appendix G – Urban Airshed Modeling: High Episode 2013 Results (Run O)

Maximum 8-hr Average Carbon Monoxide Concentration Estimates (ppm)
from the Urban Airshed Model for Denver Colorado
2013 Projection for the "High" Episode (05DEC88)
Control Strategy: 1.7%oxyFuels; 80%RemoteSensing;4yrExempt I/M240
On-Road Mobile Emission Inventory Total = 867 tons/day

1.3	1.2	1.7	1.5	1.7	1.6	2.7	2.8	3.6	3.4	2.6	2.0	1.5	1.4	1.4	1.5	1.5	1.4	1.0	1.0	0.8
1.1	1.9	2.4	1.9	2.1	2.2	3.2	3.2	3.8	3.6	2.7	1.9	1.5	1.4	1.4	1.5	1.6	1.4	1.0	1.0	0.9
1.2	1.6	1.7	2.2	2.1	2.1	3.2	3.5	4.1	3.6	2.6	2.0	1.6	1.4	1.4	1.5	1.7	1.5	1.1	0.9	0.9
1.2	1.6	1.7	2.0	2.8	2.8	3.8	4.1	▲ WELB 4.2	3.9	2.8	2.0	1.7	1.5	1.4	1.6	1.7	1.7	1.2	1.1	1.0
1.2	1.5	1.5	1.7	2.2	2.3	[illegible]	4.5	4.2	3.6	2.8	2.1	1.8	1.6	1.5	1.6	1.8	1.6	1.2	1.0	0.9
1.4 ▲ ARV	1.6	1.6	2.0	3.0	3.1	5.0	4.5	4.1	4.2	3.1	2.3	2.1	1.7	1.6	1.9	1.9	1.8	1.3	1.0	1.0
1.5	2.2	2.3	2.6	3.8	3.8	5.7	4.9	4.1	3.7	3.4	2.7	2.3	1.9	1.7	1.9	2.0	1.8	1.3	1.0	1.0
1.7	2.0	2.7	3.5	4.2	4.8	[illegible]	5.7	4.8	3.7	3.5	3.0	3.1	2.8	2.3	2.5	2.4	1.9	1.4	1.1	1.0
1.6	2.0	2.8	3.3	4.3	7.0	7.4	4.7	3.8	2.9	3.0	2.8	2.7	2.5	2.2	2.4	2.3	2.1	1.5	1.1	1.1
1.8	2.4	3.3	3.2	▲ CRG 5.1	7.9	▲ CAMP 8.3	4.6	3.7	2.7	3.0	2.9	2.6	2.7	2.5	2.8	2.5	2.1	1.6	1.2	1.2
2.3	2.6	3.3	2.9	4.1	5.7	7.1	4.2	3.6	▲ NJH 2.9	3.2	2.8	2.8	2.7	2.4	3.1	2.7	2.2	1.7	1.2	1.2
2.1	2.6	3.0	2.5	3.3	4.3	4.6	3.8	3.9	2.8	3.1	2.9	2.6	2.6	2.4	3.4	3.1	2.3	1.7	1.2	1.3
1.3	1.8	1.9	1.8	2.1	2.3	3.8	2.8	2.9	2.8	3.1	2.6	2.7	2.7	2.7	3.5	3.2	2.6	1.9	1.3	1.4
1.1	1.6	1.9	1.6	1.8	1.8	2.7	2.8	2.9	2.5	2.7	2.3	2.5	2.3	2.7	2.9	2.8	2.5	2.0	1.5	1.5
1.0	1.5	1.5	1.3	1.5	1.5	2.3	2.3	2.2	2.6	2.6	2.2	2.6	2.6	2.8	3.0	2.6	2.5	1.9	1.5	1.5
1.0	1.4	1.5	1.1	1.3	1.6 ▲	2.0 ENG	2.1	2.0	1.9	2.3	2.3	2.4	2.8	3.2	2.5	2.4	2.4	1.9	1.4	1.4
0.8	1.4	1.3	1.1	1.2	1.5	1.8	1.7	1.5	1.4	2.1	2.3	2.4	2.4	2.6	2.2	2.3	2.2	1.8	1.4	1.3
1.0	1.5	1.1	0.9	1.1	1.4	1.6	1.5	1.4	1.3	1.9	2.9	2.4	2.1	1.9	2.1	2.2	1.9	1.6	1.3	1.2
1.3	1.0	0.9	0.9	1.4	1.2	1.5	1.4	1.1	1.1	1.4	2.7	2.1	1.9	1.7	1.7	2.0	1.6	1.5	1.3	1.1
1.0	0.8	0.7	0.8	1.1	1.0	1.3	1.4	1.3	1.3	1.5	2.8	2.4	2.2	2.0	1.7	2.3	1.6	1.2	1.2	1.0
0.8	1.0	0.9	0.8	1.1	0.9	1.2	1.4	1.2	1.1	1.3	1.5	2.5	2.1	1.8	1.4	1.4	1.1	1.0	1.0	0.9

One Grid is One Square Mile

The value in each grid cell shows the maximum CO 8-hr running average for the entire simulation

```
URBAN AIRHSED MODEL OUTPUT – RUNNING 8-HOUR AVERAGES FOR ENTIRE DOMAIN
\ FILENAME: c:\den_co\graphix\o\tmap8_o.max
\ UAM Level 1
\ CO SIP for Denver, Colorado
\ Episode code processed: o
\ Base episode code:      a (05DEC88)
\ O: 2013 mobile=867.2 tpd 1sept99 13aoxy17.prn
\ 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;27aug99PTS
\ MET A7: DWMZ=12,UAMZ=5,DB=40-225,SimDrainJet,ModEC, 11-01-93
\ QA Check - select files used in 2nd day of simulation:
\   c:\den_co\inputs\o\ar_o2.b??, 09-01-99 (EI year: 2013)
\   c:\den_co\inputs\o\pt_o2.bin, 01-11-94
\   c:\den_co\inputs\a\uw_a2.bin, 11-01-93
\   c:\den_co\outputs\o\avg_o2.out, 09-01-99
\
\ TMAP run dated: 09:07:44 09-02-99
\ 8-Hr Averaging Period
\ Time, magnitude, and location of max/min predicted concentration
\
Ending time  600.
UAM Maximum  8-hr average:  2.11 cell (21,47)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  700.
UAM Maximum  8-hr average:  2.02 cell (21,47)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  800.
UAM Maximum  8-hr average:  1.95 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time  900.
UAM Maximum  8-hr average:  1.72 cell (21,47)
UAM Minimum  8-hr average:  0.16 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time 1000.
UAM Maximum  8-hr average:  1.46 cell (21,47)
UAM Minimum  8-hr average:  0.18 cell ( 9,44)

--------------------------------------------------------------------------------------


Ending time 1100.
UAM Maximum  8-hr average:  1.38 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1200.
UAM Maximum  8-hr average:  1.40 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1300.
UAM Maximum  8-hr average:  1.44 cell (23,45)
UAM Minimum  8-hr average:  0.18 cell (28,16)

--------------------------------------------------------------------------------------


Ending time 1400.
UAM Maximum  8-hr average:  1.51 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

--------------------------------------------------------------------------------------
```

```
Ending time 1500.
UAM Maximum  8-hr average:  1.64 cell (23,43)
UAM Minimum  8-hr average:  0.19 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1600.
UAM Maximum  8-hr average:  1.67 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1700.
UAM Maximum  8-hr average:  2.70 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell ( 3,37)

----------------------------------------------------------------------------------------


Ending time 1800.
UAM Maximum  8-hr average:  4.79 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (27,11)

----------------------------------------------------------------------------------------


Ending time 1900.
UAM Maximum  8-hr average:  6.63 cell (23,42)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             6.633
    22     43             6.336
    23     43             6.456
----------------------------------------------------------------------------------------


Ending time 2000.
UAM Maximum  8-hr average:  7.70 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.079
    22     43             7.308
    23     43             7.695
----------------------------------------------------------------------------------------


Ending time 2100.
UAM Maximum  8-hr average:  7.97 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)

    Predicted UAM concentration for select grid cells:    8-hr averaging period.
    (Only grid cells with a concentration >  6.0 ppm are printed.)

     X      Y    Predicted (ppm)
    23     42             7.095
    22     43             7.582
    23     43             7.965
    22     44             6.073
    23     44             6.428
    23     45             6.593
----------------------------------------------------------------------------------------


Ending time 2200.
UAM Maximum  8-hr average:  8.16 cell (23,43)
UAM Minimum  8-hr average:  0.17 cell (28,15)
```

Predicted UAM concentration for select grid cells: 8-hr averaging period.
(Only grid cells with a concentration > 6.0 ppm are printed.)

X	Y	Predicted (ppm)
23	42	7.064
22	43	7.753
23	43	8.157
22	44	6.462
23	44	6.831
23	45	7.107

Ending time 2300.
UAM Maximum 8-hr average: 8.32 cell (23,43)
UAM Minimum 8-hr average: 0.17 cell (28,15)

Predicted UAM concentration for select grid cells: 8-hr averaging period.
(Only grid cells with a concentration > 6.0 ppm are printed.)

X	Y	Predicted (ppm)
23	42	6.980
22	43	7.879
23	43	8.324
22	44	6.790
23	44	7.170
23	45	7.463

Ending time 0.
UAM Maximum 8-hr average: 8.28 cell (23,43)
UAM Minimum 8-hr average: 0.16 cell (28,16)

Predicted UAM concentration for select grid cells: 8-hr averaging period.
(Only grid cells with a concentration > 6.0 ppm are printed.)

X	Y	Predicted (ppm)
23	42	6.711
22	43	7.848
23	43	8.285
22	44	7.020
23	44	7.382
23	45	7.721

Ending time 100.
UAM Maximum 8-hr average: 7.36 cell (23,45)
UAM Minimum 8-hr average: 0.17 cell (28,16)

Predicted UAM concentration for select grid cells: 8-hr averaging period.
(Only grid cells with a concentration > 6.0 ppm are printed.)

X	Y	Predicted (ppm)
22	43	6.914
23	43	7.283
22	44	6.680
23	44	6.966
23	45	7.363

Ending time 200.
UAM Maximum 8-hr average: 6.43 cell (23,45)
UAM Minimum 8-hr average: 0.17 cell (9,44)

Predicted UAM concentration for select grid cells: 8-hr averaging period.
(Only grid cells with a concentration > 6.0 ppm are printed.)

X	Y	Predicted (ppm)
23	44	6.020
23	45	6.434

```
Ending time  300.
UAM Maximum  8-hr average:  5.39 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  400.
UAM Maximum  8-hr average:  4.15 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  500.
UAM Maximum  8-hr average:  3.29 cell (25,49)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  600.
UAM Maximum  8-hr average:  2.71 cell (25,50)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  700.
UAM Maximum  8-hr average:  2.29 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  800.
UAM Maximum  8-hr average:  2.29 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time  900.
UAM Maximum  8-hr average:  2.06 cell (23,45)
UAM Minimum  8-hr average:  0.17 cell ( 9,44)

--------------------------------------------------------------------------------------

Ending time 1000.
UAM Maximum  8-hr average:  2.04 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

--------------------------------------------------------------------------------------

Ending time 1100.
UAM Maximum  8-hr average:  2.20 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

--------------------------------------------------------------------------------------

Ending time 1200.
UAM Maximum  8-hr average:  2.30 cell (23,43)
UAM Minimum  8-hr average:  0.18 cell (16,28)

--------------------------------------------------------------------------------------
```

File: ar_o_tot.qa0

```
Daily emissions for each source category as input to the Urban Airshed Model
        CO: TOTAL EMISSIONS FOR CATEGORY       AMP     BEFORE HRLY SCALARS APPLIED =     185.641949       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =     185.641955       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     185.641949       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       PMP     BEFORE HRLY SCALARS APPLIED =     249.026747       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =     249.026747       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     434.668697       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       OFP     BEFORE HRLY SCALARS APPLIED =     432.477055       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =     432.390563       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     867.145751       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY        RR     BEFORE HRLY SCALARS APPLIED =       0.333074       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       0.333074       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     867.478826       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       HLI     BEFORE HRLY SCALARS APPLIED =       0.370857       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       0.370857       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     867.849683       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY        AC     BEFORE HRLY SCALARS APPLIED =      24.383800       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =      24.554486       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     892.233483       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       ACS     BEFORE HRLY SCALARS APPLIED =       7.770000       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       7.824390       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     900.003483       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY        AG     BEFORE HRLY SCALARS APPLIED =       0.254016       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       0.254016       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     900.257499       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       CST     BEFORE HRLY SCALARS APPLIED =       8.098400       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       8.098400       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     908.355899       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       IND     BEFORE HRLY SCALARS APPLIED =      23.655000       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =      23.655000       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =     932.010899       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY       LTC     BEFORE HRLY SCALARS APPLIED =     131.261000       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =     131.261002       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =    1063.271899       TONS/DAY
        ---------------------------------------------

        CO: TOTAL EMISSIONS FOR CATEGORY        FP     BEFORE HRLY SCALARS APPLIED =       9.515282       TONS/DAY
        INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       9.515282       TONS/DAY
                                                ...RUNNING SUBTOTAL BEFORE SCALARS =    1072.787181       TONS/DAY
```

```
             ---------------------------------------------

             CO: TOTAL EMISSIONS FOR CATEGORY       STV     BEFORE HRLY SCALARS APPLIED =      16.251068       TONS/DAY
             INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =      16.251068       TONS/DAY
                                                         ...RUNNING SUBTOTAL BEFORE SCALARS =    1089.038249       TONS/DAY
             ---------------------------------------------

             CO: TOTAL EMISSIONS FOR CATEGORY       SFR     BEFORE HRLY SCALARS APPLIED =       5.520765       TONS/DAY
             INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       5.521206       TONS/DAY
                                                         ...RUNNING SUBTOTAL BEFORE SCALARS =    1094.559014       TONS/DAY
             ---------------------------------------------

             CO: TOTAL EMISSIONS FOR CATEGORY        NG     BEFORE HRLY SCALARS APPLIED =      10.023500       TONS/DAY
             INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =      10.023500       TONS/DAY
                                                         ...RUNNING SUBTOTAL BEFORE SCALARS =    1104.582514       TONS/DAY
             ---------------------------------------------

             CO: TOTAL EMISSIONS FOR CATEGORY       MIN     BEFORE HRLY SCALARS APPLIED =      21.075900       TONS/DAY
             INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =      21.077585       TONS/DAY
                                                         ...RUNNING SUBTOTAL BEFORE SCALARS =    1125.658414       TONS/DAY
             ---------------------------------------------

             CO: TOTAL EMISSIONS FOR CATEGORY       MJA     BEFORE HRLY SCALARS APPLIED =       0.000000       TONS/DAY
             INVENTORY CODE: O                              AFTER HRLY SCALARS APPLIED  =       0.000000       TONS/DAY
                                                         ...RUNNING SUBTOTAL BEFORE SCALARS =    1125.658414       TONS/DAY
             ---------------------------------------------
             QA check of         CO EMISSIONS total in UAM binary file (NOTES: 1. hourly scalars applied; 2. MJE excluded)
             INVENTORY CODE: O
                                                                                        =    1125.799133       TONS/DAY
                                                                                        =     36475278.4 GRAM-MOLES/DAY
*******************************************************************************************************************
             CO: TOTAL EMISSIONS FROM ALL CATEGORIES INCLUDING ELEVATED POINTS
             INVENTORY CODE: O
                                                            BEFORE HRLY SCALARS APPLIED =    1151.223314       TONS/DAY
                                                            AFTER HRLY SCALARS APPLIED  =    1151.364033       TONS/DAY
*******************************************************************************************************************
```

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File: ar_omax.qa0
Maximum emission rate and corresponding UAM grid cell for each source category

CATEGORY=        AMP: MAXIMUM VALUE=   0.988000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        PMP: MAXIMUM VALUE=   2.090000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        OFP: MAXIMUM VALUE=   2.840000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         RR: MAXIMUM VALUE=   0.029800 TPD @GRID CELL (X,Y): ( 22, 47)
CATEGORY=        HLI: MAXIMUM VALUE=   0.008990 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=         AC: MAXIMUM VALUE=   3.130000 TPD @GRID CELL (X,Y): ( 39, 50)
CATEGORY=        ACS: MAXIMUM VALUE=   1.110000 TPD @GRID CELL (X,Y): ( 28, 44)
CATEGORY=         AG: MAXIMUM VALUE=   0.000147 TPD @GRID CELL (X,Y): (  7, 69)
CATEGORY=        CST: MAXIMUM VALUE=   0.021200 TPD @GRID CELL (X,Y): (  3, 26)
CATEGORY=        IND: MAXIMUM VALUE=   0.415000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=        LTC: MAXIMUM VALUE=   0.598000 TPD @GRID CELL (X,Y): (  8, 61)
CATEGORY=         FP: MAXIMUM VALUE=   0.051600 TPD @GRID CELL (X,Y): ( 24, 42)
CATEGORY=        STV: MAXIMUM VALUE=   0.125000 TPD @GRID CELL (X,Y): ( 17, 35)
CATEGORY=        SFR: MAXIMUM VALUE=   0.034000 TPD @GRID CELL (X,Y): ( 23, 42)
CATEGORY=         NG: MAXIMUM VALUE=   0.220000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        MIN: MAXIMUM VALUE=   2.560000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJA: MAXIMUM VALUE=   0.000000 TPD @GRID CELL (X,Y): ( 28, 67)
CATEGORY=        MJE: MAXIMUM VALUE=   5.950000 TPD @GRID CELL (X,Y): ( 24, 47)
CATEGORY=        TOT: MAXIMUM VALUE=   7.470000 TPD @GRID CELL (X,Y): ( 23, 43)
CATEGORY=        SUM: MAXIMUM VALUE=   7.467039 TPD @GRID CELL (X,Y): ( 23, 43)
```

Air Quality Modeling Results for the Denver Carbon Monoxide Maintenance Plan

UAM and CAL3QHC Estimates at Monitoring Sites and Roadway Intersections

The attached report is one of several files generated by a the Colorado Department of Public Health and Environment's postprocessing batch program "DPLOT.BTM." This particular report, which presents 1-hour and 8-hour average UAM and CAL3QHC estimates for each monitoring site and roadway intersection, was generated by the FORTRAN program "P_STATS." Strings of text at the beginning of the report uniquely identify the modeling scenario. These IDs (see example on page 2) are auto-built by DPLOT.BTM. Automated title generation for each modeling run streamlines postprocessing while enhancing QA procedures.

P_STATS reads SAI's DPLOT format data files which contain hourly concentration estimates from the Urban Airshed Model and observed concentrations from various monitoring sites. In addition, P_STATS reads another set of DPLOT format files containing hourly concentration estimates from the CAL3QHC model. While there are UAM estimates for every monitoring site and roadway intersection, CAL3QHC estimates are available only at intersections where refined modeling was performed. Please note that all "observed" values are from the historic episode on which the modeling is based. The "DATE" column indicates the year of the MODELED estimates; all observed estimates are for the base year (e.g., 1988 for the "high" and "2nd-high" episodes).

A "-9.00" entry indicates that values were not generated. "NA" is used for all 8-hour CAL3QHC entries because 8-hour average values are not computed; instead, hourly CAL3QHC and UAM estimates are summed before 8-hour average UAM/CAL3QHC values are computed. A key to site abbreviations follows:

Monitoring Sites	**Description**
CMP	CAMP
WBY	Welby
CRG	Carriage
TIV	Tivoli
FED	Roof of Federal Bldg (downtown) - inlet 72 meters above ground
NJH	NJH-E
PLM	Palmer School (inlet on top of 2 story bldg)
ARV	Arvada
ENG	Englewood
BOU	Boulder (Marine St)
GRDS	Boulder Grandys Special Study Site
HLD	Highland
AUR	Aurora
AURS	Aurora Special Study Site
BTN	Brighton
Intersections	
ICMP	Broadway & Champa (CAMP intersection)
U_1	University & 1st
F_A	Foothills & Arapahoe (Boulder)
H_U	Hampden & University
U_A	University & Arapahoe
P_I	Parker & Iliff

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;
MET A7, 09-01-99 EI, 01-11-94 PT, 09-09-99 CAL, 09-01-99 UAM

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	2.70
CMP	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	3.00
CMP	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	1.50
CMP	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
CMP	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.80
CMP	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	2.10
CMP	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	1.60
CMP	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	2.80
CMP	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	6.40
CMP	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	7.60
CMP	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	6.80
CMP	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	1.30
CMP	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
CMP	1	Episode Day 1, 2013	22	CO (PPM)	1.29	-9.00	1.29	1.00
CMP	1	Episode Day 1, 2013	23	CO (PPM)	1.81	-9.00	1.81	1.60
CMP	1	Episode Day 2, 2013	0	CO (PPM)	2.17	-9.00	2.17	1.50
CMP	1	Episode Day 2, 2013	1	CO (PPM)	1.76	-9.00	1.76	0.80
CMP	1	Episode Day 2, 2013	2	CO (PPM)	0.89	-9.00	0.89	0.00
CMP	1	Episode Day 2, 2013	3	CO (PPM)	0.78	-9.00	0.78	0.00
CMP	1	Episode Day 2, 2013	4	CO (PPM)	0.80	-9.00	0.80	0.00
CMP	1	Episode Day 2, 2013	5	CO (PPM)	0.74	-9.00	0.74	0.30
CMP	1	Episode Day 2, 2013	6	CO (PPM)	0.95	-9.00	0.95	0.80
CMP	1	Episode Day 2, 2013	7	CO (PPM)	2.91	-9.00	2.91	4.10
CMP	1	Episode Day 2, 2013	8	CO (PPM)	1.63	-9.00	1.63	5.40
CMP	1	Episode Day 2, 2013	9	CO (PPM)	1.12	-9.00	1.12	2.90
CMP	1	Episode Day 2, 2013	10	CO (PPM)	0.98	-9.00	0.98	2.90
CMP	1	Episode Day 2, 2013	11	CO (PPM)	1.26	-9.00	1.26	4.50
CMP	1	Episode Day 2, 2013	12	CO (PPM)	1.35	-9.00	1.35	4.00
CMP	1	Episode Day 2, 2013	13	CO (PPM)	1.46	-9.00	1.46	4.30
CMP	1	Episode Day 2, 2013	14	CO (PPM)	1.89	-9.00	1.89	4.50
CMP	1	Episode Day 2, 2013	15	CO (PPM)	3.03	-9.00	3.03	7.00
CMP	1	Episode Day 2, 2013	16	CO (PPM)	8.78	-9.00	8.78	45.00
CMP	1	Episode Day 2, 2013	17	CO (PPM)	13.85	-9.00	13.85	50.50
CMP	1	Episode Day 2, 2013	18	CO (PPM)	14.65	-9.00	14.65	30.00
CMP	1	Episode Day 2, 2013	19	CO (PPM)	11.12	-9.00	11.12	3.90
CMP	1	Episode Day 2, 2013	20	CO (PPM)	4.55	-9.00	4.55	2.10
CMP	1	Episode Day 2, 2013	21	CO (PPM)	3.47	-9.00	3.47	2.30
CMP	1	Episode Day 2, 2013	22	CO (PPM)	3.58	-9.00	3.58	3.80
CMP	1	Episode Day 2, 2013	23	CO (PPM)	3.34	-9.00	3.34	4.00
CMP	1	Episode Day 3, 2013	0	CO (PPM)	2.31	-9.00	2.31	4.50
CMP	1	Episode Day 3, 2013	1	CO (PPM)	1.61	-9.00	1.61	2.60
CMP	1	Episode Day 3, 2013	2	CO (PPM)	1.04	-9.00	1.04	1.10
CMP	1	Episode Day 3, 2013	3	CO (PPM)	0.58	-9.00	0.58	0.80
CMP	1	Episode Day 3, 2013	4	CO (PPM)	0.62	-9.00	0.62	1.10
CMP	1	Episode Day 3, 2013	5	CO (PPM)	1.20	-9.00	1.20	2.40
CMP	1	Episode Day 3, 2013	6	CO (PPM)	2.16	-9.00	2.16	5.10
CMP	1	Episode Day 3, 2013	7	CO (PPM)	4.74	-9.00	4.74	9.30
CMP	1	Episode Day 3, 2013	8	CO (PPM)	2.56	-9.00	2.56	10.70
CMP	1	Episode Day 3, 2013	9	CO (PPM)	2.37	-9.00	2.37	7.20
CMP	1	Episode Day 3, 2013	10	CO (PPM)	2.15	-9.00	2.15	5.10
CMP	1	Episode Day 3, 2013	11	CO (PPM)	1.46	-9.00	1.46	3.60
CMP	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	2.50
CMP	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
CMP	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	2.40
CMP	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	3.60
CMP	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	10.10
CMP	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	12.90
CMP	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
CMP	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	5.30
CMP	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
CMP	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	2.90
CMP	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	4.50

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
WBY	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	4.00
WBY	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
WBY	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
WBY	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	1.70
WBY	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	1.20
WBY	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.00
WBY	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.50
WBY	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	4.30
WBY	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
WBY	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	4.60
WBY	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	2.10
WBY	1	Episode Day 1, 2013	22	CO (PPM)	1.13	-9.00	1.13	1.50
WBY	1	Episode Day 1, 2013	23	CO (PPM)	1.36	-9.00	1.36	1.90
WBY	1	Episode Day 2, 2013	0	CO (PPM)	1.52	-9.00	1.52	4.30
WBY	1	Episode Day 2, 2013	1	CO (PPM)	1.42	-9.00	1.42	3.40
WBY	1	Episode Day 2, 2013	2	CO (PPM)	1.33	-9.00	1.33	2.20
WBY	1	Episode Day 2, 2013	3	CO (PPM)	1.14	-9.00	1.14	1.60
WBY	1	Episode Day 2, 2013	4	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2013	5	CO (PPM)	0.84	-9.00	0.84	1.40
WBY	1	Episode Day 2, 2013	6	CO (PPM)	0.98	-9.00	0.98	1.70
WBY	1	Episode Day 2, 2013	7	CO (PPM)	1.51	-9.00	1.51	5.70
WBY	1	Episode Day 2, 2013	8	CO (PPM)	1.00	-9.00	1.00	6.90
WBY	1	Episode Day 2, 2013	9	CO (PPM)	0.95	-9.00	0.95	4.90
WBY	1	Episode Day 2, 2013	10	CO (PPM)	1.08	-9.00	1.08	2.50
WBY	1	Episode Day 2, 2013	11	CO (PPM)	0.90	-9.00	0.90	1.40
WBY	1	Episode Day 2, 2013	12	CO (PPM)	0.75	-9.00	0.75	0.90
WBY	1	Episode Day 2, 2013	13	CO (PPM)	0.61	-9.00	0.61	0.90
WBY	1	Episode Day 2, 2013	14	CO (PPM)	0.60	-9.00	0.60	1.00
WBY	1	Episode Day 2, 2013	15	CO (PPM)	0.82	-9.00	0.82	1.20
WBY	1	Episode Day 2, 2013	16	CO (PPM)	1.56	-9.00	1.56	2.60
WBY	1	Episode Day 2, 2013	17	CO (PPM)	2.60	-9.00	2.60	9.50
WBY	1	Episode Day 2, 2013	18	CO (PPM)	3.64	-9.00	3.64	13.40
WBY	1	Episode Day 2, 2013	19	CO (PPM)	2.77	-9.00	2.77	9.40
WBY	1	Episode Day 2, 2013	20	CO (PPM)	3.73	-9.00	3.73	7.70
WBY	1	Episode Day 2, 2013	21	CO (PPM)	5.11	-9.00	5.11	6.30
WBY	1	Episode Day 2, 2013	22	CO (PPM)	5.16	-9.00	5.16	7.30
WBY	1	Episode Day 2, 2013	23	CO (PPM)	5.20	-9.00	5.20	8.50
WBY	1	Episode Day 3, 2013	0	CO (PPM)	4.46	-9.00	4.46	9.40
WBY	1	Episode Day 3, 2013	1	CO (PPM)	2.63	-9.00	2.63	7.30
WBY	1	Episode Day 3, 2013	2	CO (PPM)	1.34	-9.00	1.34	3.00
WBY	1	Episode Day 3, 2013	3	CO (PPM)	0.81	-9.00	0.81	1.70
WBY	1	Episode Day 3, 2013	4	CO (PPM)	0.65	-9.00	0.65	1.60
WBY	1	Episode Day 3, 2013	5	CO (PPM)	0.71	-9.00	0.71	1.70
WBY	1	Episode Day 3, 2013	6	CO (PPM)	0.80	-9.00	0.80	2.80
WBY	1	Episode Day 3, 2013	7	CO (PPM)	1.04	-9.00	1.04	2.80
WBY	1	Episode Day 3, 2013	8	CO (PPM)	1.02	-9.00	1.02	-9.00
WBY	1	Episode Day 3, 2013	9	CO (PPM)	1.16	-9.00	1.16	3.60
WBY	1	Episode Day 3, 2013	10	CO (PPM)	1.15	-9.00	1.15	2.70
WBY	1	Episode Day 3, 2013	11	CO (PPM)	0.92	-9.00	0.92	0.60
WBY	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.40
WBY	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.30
WBY	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	0.80
WBY	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
WBY	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	1.30
WBY	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
WBY	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	6.10
WBY	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	6.00
WBY	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	5.40
WBY	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	4.40
CRG	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	4.80
CRG	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	4.50
CRG	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	3.90

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
CRG	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.70
CRG	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	2.70
CRG	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
CRG	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	1.30
CRG	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
CRG	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
CRG	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
CRG	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.50
CRG	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CRG	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
CRG	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
CRG	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	8.00
CRG	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	10.80
CRG	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	3.50
CRG	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	3.40
CRG	1	Episode Day 1, 2013	22	CO (PPM)	1.68	-9.00	1.68	3.50
CRG	1	Episode Day 1, 2013	23	CO (PPM)	1.92	-9.00	1.92	3.30
CRG	1	Episode Day 2, 2013	0	CO (PPM)	2.28	-9.00	2.28	3.70
CRG	1	Episode Day 2, 2013	1	CO (PPM)	2.28	-9.00	2.28	4.90
CRG	1	Episode Day 2, 2013	2	CO (PPM)	1.43	-9.00	1.43	3.50
CRG	1	Episode Day 2, 2013	3	CO (PPM)	0.75	-9.00	0.75	2.50
CRG	1	Episode Day 2, 2013	4	CO (PPM)	0.58	-9.00	0.58	2.60
CRG	1	Episode Day 2, 2013	5	CO (PPM)	0.63	-9.00	0.63	2.70
CRG	1	Episode Day 2, 2013	6	CO (PPM)	0.81	-9.00	0.81	5.80
CRG	1	Episode Day 2, 2013	7	CO (PPM)	1.75	-9.00	1.75	10.10
CRG	1	Episode Day 2, 2013	8	CO (PPM)	1.05	-9.00	1.05	10.50
CRG	1	Episode Day 2, 2013	9	CO (PPM)	0.90	-9.00	0.90	4.00
CRG	1	Episode Day 2, 2013	10	CO (PPM)	0.79	-9.00	0.79	1.90
CRG	1	Episode Day 2, 2013	11	CO (PPM)	0.81	-9.00	0.81	1.20
CRG	1	Episode Day 2, 2013	12	CO (PPM)	1.08	-9.00	1.08	1.50
CRG	1	Episode Day 2, 2013	13	CO (PPM)	1.20	-9.00	1.20	1.30
CRG	1	Episode Day 2, 2013	14	CO (PPM)	1.37	-9.00	1.37	1.60
CRG	1	Episode Day 2, 2013	15	CO (PPM)	1.79	-9.00	1.79	0.80
CRG	1	Episode Day 2, 2013	16	CO (PPM)	3.93	-9.00	3.93	6.40
CRG	1	Episode Day 2, 2013	17	CO (PPM)	4.97	-9.00	4.97	9.50
CRG	1	Episode Day 2, 2013	18	CO (PPM)	5.32	-9.00	5.32	13.70
CRG	1	Episode Day 2, 2013	19	CO (PPM)	5.10	-9.00	5.10	16.30
CRG	1	Episode Day 2, 2013	20	CO (PPM)	4.30	-9.00	4.30	12.80
CRG	1	Episode Day 2, 2013	21	CO (PPM)	3.36	-9.00	3.36	7.10
CRG	1	Episode Day 2, 2013	22	CO (PPM)	2.64	-9.00	2.64	4.90
CRG	1	Episode Day 2, 2013	23	CO (PPM)	2.01	-9.00	2.01	8.60
CRG	1	Episode Day 3, 2013	0	CO (PPM)	1.65	-9.00	1.65	10.10
CRG	1	Episode Day 3, 2013	1	CO (PPM)	1.47	-9.00	1.47	4.30
CRG	1	Episode Day 3, 2013	2	CO (PPM)	1.13	-9.00	1.13	5.40
CRG	1	Episode Day 3, 2013	3	CO (PPM)	0.72	-9.00	0.72	3.90
CRG	1	Episode Day 3, 2013	4	CO (PPM)	0.56	-9.00	0.56	1.90
CRG	1	Episode Day 3, 2013	5	CO (PPM)	0.72	-9.00	0.72	3.00
CRG	1	Episode Day 3, 2013	6	CO (PPM)	1.41	-9.00	1.41	3.10
CRG	1	Episode Day 3, 2013	7	CO (PPM)	2.81	-9.00	2.81	6.10
CRG	1	Episode Day 3, 2013	8	CO (PPM)	1.36	-9.00	1.36	5.10
CRG	1	Episode Day 3, 2013	9	CO (PPM)	1.23	-9.00	1.23	4.10
CRG	1	Episode Day 3, 2013	10	CO (PPM)	0.94	-9.00	0.94	1.50
CRG	1	Episode Day 3, 2013	11	CO (PPM)	0.84	-9.00	0.84	-9.00
CRG	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
CRG	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.40
CRG	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.30
CRG	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
CRG	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
CRG	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	7.00
CRG	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	9.50
CRG	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	12.40
CRG	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	10.10
CRG	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	7.90
CRG	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	7.40
CRG	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	7.70
NJH	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	2.30
NJH	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	1.50
NJH	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	1.40
NJH	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	1.30
NJH	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	2.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	2.00
NJH	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	2.20
NJH	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	2.10
NJH	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.60
NJH	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
NJH	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
NJH	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.90
NJH	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	8.80
NJH	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.10
NJH	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	2.80
NJH	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	2.60
NJH	1	Episode Day 1, 2013	22	CO (PPM)	1.16	-9.00	1.16	2.40
NJH	1	Episode Day 1, 2013	23	CO (PPM)	1.30	-9.00	1.30	2.00
NJH	1	Episode Day 2, 2013	0	CO (PPM)	1.15	-9.00	1.15	2.30
NJH	1	Episode Day 2, 2013	1	CO (PPM)	0.70	-9.00	0.70	1.30
NJH	1	Episode Day 2, 2013	2	CO (PPM)	0.48	-9.00	0.48	1.20
NJH	1	Episode Day 2, 2013	3	CO (PPM)	0.47	-9.00	0.47	1.10
NJH	1	Episode Day 2, 2013	4	CO (PPM)	0.50	-9.00	0.50	0.90
NJH	1	Episode Day 2, 2013	5	CO (PPM)	0.51	-9.00	0.51	1.60
NJH	1	Episode Day 2, 2013	6	CO (PPM)	0.73	-9.00	0.73	3.30
NJH	1	Episode Day 2, 2013	7	CO (PPM)	1.86	-9.00	1.86	6.40
NJH	1	Episode Day 2, 2013	8	CO (PPM)	1.28	-9.00	1.28	6.10
NJH	1	Episode Day 2, 2013	9	CO (PPM)	0.95	-9.00	0.95	3.20
NJH	1	Episode Day 2, 2013	10	CO (PPM)	0.62	-9.00	0.62	2.80
NJH	1	Episode Day 2, 2013	11	CO (PPM)	0.64	-9.00	0.64	2.00
NJH	1	Episode Day 2, 2013	12	CO (PPM)	0.70	-9.00	0.70	2.00
NJH	1	Episode Day 2, 2013	13	CO (PPM)	0.75	-9.00	0.75	2.70
NJH	1	Episode Day 2, 2013	14	CO (PPM)	1.14	-9.00	1.14	3.20
NJH	1	Episode Day 2, 2013	15	CO (PPM)	1.72	-9.00	1.72	4.60
NJH	1	Episode Day 2, 2013	16	CO (PPM)	3.50	-9.00	3.50	19.70
NJH	1	Episode Day 2, 2013	17	CO (PPM)	4.57	-9.00	4.57	22.90
NJH	1	Episode Day 2, 2013	18	CO (PPM)	5.27	-9.00	5.27	19.70
NJH	1	Episode Day 2, 2013	19	CO (PPM)	6.38	-9.00	6.38	8.60
NJH	1	Episode Day 2, 2013	20	CO (PPM)	2.70	-9.00	2.70	6.20
NJH	1	Episode Day 2, 2013	21	CO (PPM)	1.36	-9.00	1.36	4.40
NJH	1	Episode Day 2, 2013	22	CO (PPM)	1.38	-9.00	1.38	4.10
NJH	1	Episode Day 2, 2013	23	CO (PPM)	1.12	-9.00	1.12	3.20
NJH	1	Episode Day 3, 2013	0	CO (PPM)	0.79	-9.00	0.79	2.30
NJH	1	Episode Day 3, 2013	1	CO (PPM)	0.63	-9.00	0.63	1.20
NJH	1	Episode Day 3, 2013	2	CO (PPM)	0.48	-9.00	0.48	1.30
NJH	1	Episode Day 3, 2013	3	CO (PPM)	0.34	-9.00	0.34	0.80
NJH	1	Episode Day 3, 2013	4	CO (PPM)	0.36	-9.00	0.36	0.70
NJH	1	Episode Day 3, 2013	5	CO (PPM)	0.48	-9.00	0.48	1.60
NJH	1	Episode Day 3, 2013	6	CO (PPM)	0.78	-9.00	0.78	2.90
NJH	1	Episode Day 3, 2013	7	CO (PPM)	2.00	-9.00	2.00	7.00
NJH	1	Episode Day 3, 2013	8	CO (PPM)	1.26	-9.00	1.26	5.70
NJH	1	Episode Day 3, 2013	9	CO (PPM)	1.01	-9.00	1.01	4.90
NJH	1	Episode Day 3, 2013	10	CO (PPM)	0.86	-9.00	0.86	3.60
NJH	1	Episode Day 3, 2013	11	CO (PPM)	0.83	-9.00	0.83	1.30
NJH	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.10
NJH	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
NJH	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
NJH	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
NJH	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	4.40
NJH	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	6.60
NJH	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	5.10
NJH	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	6.90
NJH	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	5.50
NJH	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
NJH	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	3.60
NJH	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	2.40
TIV	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 1, 2013	22	CO (PPM)	1.41	-9.00	1.41	-9.00
TIV	1	Episode Day 1, 2013	23	CO (PPM)	1.72	-9.00	1.72	-9.00
TIV	1	Episode Day 2, 2013	0	CO (PPM)	2.07	-9.00	2.07	-9.00
TIV	1	Episode Day 2, 2013	1	CO (PPM)	1.76	-9.00	1.76	-9.00
TIV	1	Episode Day 2, 2013	2	CO (PPM)	0.88	-9.00	0.88	-9.00
TIV	1	Episode Day 2, 2013	3	CO (PPM)	0.64	-9.00	0.64	-9.00
TIV	1	Episode Day 2, 2013	4	CO (PPM)	0.64	-9.00	0.64	-9.00
TIV	1	Episode Day 2, 2013	5	CO (PPM)	0.69	-9.00	0.69	-9.00
TIV	1	Episode Day 2, 2013	6	CO (PPM)	0.90	-9.00	0.90	-9.00
TIV	1	Episode Day 2, 2013	7	CO (PPM)	2.56	-9.00	2.56	-9.00
TIV	1	Episode Day 2, 2013	8	CO (PPM)	1.40	-9.00	1.40	-9.00
TIV	1	Episode Day 2, 2013	9	CO (PPM)	0.99	-9.00	0.99	-9.00
TIV	1	Episode Day 2, 2013	10	CO (PPM)	0.87	-9.00	0.87	-9.00
TIV	1	Episode Day 2, 2013	11	CO (PPM)	1.13	-9.00	1.13	-9.00
TIV	1	Episode Day 2, 2013	12	CO (PPM)	1.51	-9.00	1.51	-9.00
TIV	1	Episode Day 2, 2013	13	CO (PPM)	1.64	-9.00	1.64	-9.00
TIV	1	Episode Day 2, 2013	14	CO (PPM)	1.86	-9.00	1.86	-9.00
TIV	1	Episode Day 2, 2013	15	CO (PPM)	2.87	-9.00	2.87	-9.00
TIV	1	Episode Day 2, 2013	16	CO (PPM)	8.89	-9.00	8.89	-9.00
TIV	1	Episode Day 2, 2013	17	CO (PPM)	14.28	-9.00	14.28	-9.00
TIV	1	Episode Day 2, 2013	18	CO (PPM)	14.36	-9.00	14.36	-9.00
TIV	1	Episode Day 2, 2013	19	CO (PPM)	8.32	-9.00	8.32	-9.00
TIV	1	Episode Day 2, 2013	20	CO (PPM)	3.84	-9.00	3.84	-9.00
TIV	1	Episode Day 2, 2013	21	CO (PPM)	3.05	-9.00	3.05	-9.00
TIV	1	Episode Day 2, 2013	22	CO (PPM)	2.83	-9.00	2.83	-9.00
TIV	1	Episode Day 2, 2013	23	CO (PPM)	2.65	-9.00	2.65	-9.00
TIV	1	Episode Day 3, 2013	0	CO (PPM)	2.00	-9.00	2.00	-9.00
TIV	1	Episode Day 3, 2013	1	CO (PPM)	1.49	-9.00	1.49	-9.00
TIV	1	Episode Day 3, 2013	2	CO (PPM)	1.03	-9.00	1.03	-9.00
TIV	1	Episode Day 3, 2013	3	CO (PPM)	0.58	-9.00	0.58	-9.00
TIV	1	Episode Day 3, 2013	4	CO (PPM)	0.58	-9.00	0.58	-9.00
TIV	1	Episode Day 3, 2013	5	CO (PPM)	1.19	-9.00	1.19	-9.00
TIV	1	Episode Day 3, 2013	6	CO (PPM)	2.29	-9.00	2.29	-9.00
TIV	1	Episode Day 3, 2013	7	CO (PPM)	4.97	-9.00	4.97	-9.00
TIV	1	Episode Day 3, 2013	8	CO (PPM)	2.65	-9.00	2.65	-9.00
TIV	1	Episode Day 3, 2013	9	CO (PPM)	2.22	-9.00	2.22	-9.00
TIV	1	Episode Day 3, 2013	10	CO (PPM)	1.51	-9.00	1.51	-9.00
TIV	1	Episode Day 3, 2013	11	CO (PPM)	1.12	-9.00	1.12	-9.00
TIV	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
TIV	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 1, 2013	22	CO (PPM)	1.29	-9.00	1.29	-9.00
ICMP	1	Episode Day 1, 2013	23	CO (PPM)	1.81	-9.00	1.81	-9.00
ICMP	1	Episode Day 2, 2013	0	CO (PPM)	2.17	-9.00	2.17	-9.00
ICMP	1	Episode Day 2, 2013	1	CO (PPM)	1.76	-9.00	1.76	-9.00
ICMP	1	Episode Day 2, 2013	2	CO (PPM)	0.89	-9.00	0.89	-9.00
ICMP	1	Episode Day 2, 2013	3	CO (PPM)	0.78	-9.00	0.78	-9.00
ICMP	1	Episode Day 2, 2013	4	CO (PPM)	0.80	-9.00	0.80	-9.00
ICMP	1	Episode Day 2, 2013	5	CO (PPM)	0.74	-9.00	0.74	-9.00
ICMP	1	Episode Day 2, 2013	6	CO (PPM)	0.95	-9.00	0.95	-9.00
ICMP	1	Episode Day 2, 2013	7	CO (PPM)	2.91	-9.00	2.91	-9.00
ICMP	1	Episode Day 2, 2013	8	CO (PPM)	1.63	-9.00	1.63	-9.00
ICMP	1	Episode Day 2, 2013	9	CO (PPM)	1.12	-9.00	1.12	-9.00
ICMP	1	Episode Day 2, 2013	10	CO (PPM)	0.98	-9.00	0.98	-9.00
ICMP	1	Episode Day 2, 2013	11	CO (PPM)	1.26	-9.00	1.26	-9.00
ICMP	1	Episode Day 2, 2013	12	CO (PPM)	1.35	-9.00	1.35	-9.00
ICMP	1	Episode Day 2, 2013	13	CO (PPM)	1.46	-9.00	1.46	-9.00
ICMP	1	Episode Day 2, 2013	14	CO (PPM)	1.89	1.84	3.73	-9.00
ICMP	1	Episode Day 2, 2013	15	CO (PPM)	3.03	1.38	4.41	-9.00
ICMP	1	Episode Day 2, 2013	16	CO (PPM)	8.78	2.88	11.66	-9.00
ICMP	1	Episode Day 2, 2013	17	CO (PPM)	13.85	2.07	15.92	-9.00
ICMP	1	Episode Day 2, 2013	18	CO (PPM)	14.65	1.15	15.80	-9.00
ICMP	1	Episode Day 2, 2013	19	CO (PPM)	11.12	0.35	11.47	-9.00
ICMP	1	Episode Day 2, 2013	20	CO (PPM)	4.55	0.35	4.90	-9.00
ICMP	1	Episode Day 2, 2013	21	CO (PPM)	3.47	0.00	3.47	-9.00
ICMP	1	Episode Day 2, 2013	22	CO (PPM)	3.58	0.46	4.04	-9.00
ICMP	1	Episode Day 2, 2013	23	CO (PPM)	3.34	0.12	3.46	-9.00
ICMP	1	Episode Day 3, 2013	0	CO (PPM)	2.31	-9.00	2.31	-9.00
ICMP	1	Episode Day 3, 2013	1	CO (PPM)	1.61	-9.00	1.61	-9.00
ICMP	1	Episode Day 3, 2013	2	CO (PPM)	1.04	-9.00	1.04	-9.00
ICMP	1	Episode Day 3, 2013	3	CO (PPM)	0.58	-9.00	0.58	-9.00
ICMP	1	Episode Day 3, 2013	4	CO (PPM)	0.62	-9.00	0.62	-9.00
ICMP	1	Episode Day 3, 2013	5	CO (PPM)	1.20	-9.00	1.20	-9.00
ICMP	1	Episode Day 3, 2013	6	CO (PPM)	2.16	-9.00	2.16	-9.00
ICMP	1	Episode Day 3, 2013	7	CO (PPM)	4.74	-9.00	4.74	-9.00
ICMP	1	Episode Day 3, 2013	8	CO (PPM)	2.56	-9.00	2.56	-9.00
ICMP	1	Episode Day 3, 2013	9	CO (PPM)	2.37	-9.00	2.37	-9.00
ICMP	1	Episode Day 3, 2013	10	CO (PPM)	2.15	-9.00	2.15	-9.00
ICMP	1	Episode Day 3, 2013	11	CO (PPM)	1.46	-9.00	1.46	-9.00
ICMP	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ICMP	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
ENG	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	1.70
ENG	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.90
ENG	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	1.80
ENG	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	1.00
ENG	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	0.50
ENG	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.70

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
ENG	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
ENG	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	1.50
ENG	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	4.40
ENG	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	2.40
ENG	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
ENG	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	1.20
ENG	1	Episode Day 1, 2013	22	CO (PPM)	0.74	-9.00	0.74	1.70
ENG	1	Episode Day 1, 2013	23	CO (PPM)	0.46	-9.00	0.46	1.20
ENG	1	Episode Day 2, 2013	0	CO (PPM)	0.34	-9.00	0.34	0.70
ENG	1	Episode Day 2, 2013	1	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2013	2	CO (PPM)	0.29	-9.00	0.29	0.50
ENG	1	Episode Day 2, 2013	3	CO (PPM)	0.28	-9.00	0.28	0.50
ENG	1	Episode Day 2, 2013	4	CO (PPM)	0.30	-9.00	0.30	0.50
ENG	1	Episode Day 2, 2013	5	CO (PPM)	0.33	-9.00	0.33	1.20
ENG	1	Episode Day 2, 2013	6	CO (PPM)	0.44	-9.00	0.44	2.40
ENG	1	Episode Day 2, 2013	7	CO (PPM)	1.00	-9.00	1.00	4.70
ENG	1	Episode Day 2, 2013	8	CO (PPM)	0.60	-9.00	0.60	4.10
ENG	1	Episode Day 2, 2013	9	CO (PPM)	0.38	-9.00	0.38	1.20
ENG	1	Episode Day 2, 2013	10	CO (PPM)	0.32	-9.00	0.32	0.70
ENG	1	Episode Day 2, 2013	11	CO (PPM)	0.37	-9.00	0.37	0.70
ENG	1	Episode Day 2, 2013	12	CO (PPM)	0.51	-9.00	0.51	0.80
ENG	1	Episode Day 2, 2013	13	CO (PPM)	0.66	-9.00	0.66	1.10
ENG	1	Episode Day 2, 2013	14	CO (PPM)	0.82	-9.00	0.82	1.50
ENG	1	Episode Day 2, 2013	15	CO (PPM)	1.53	-9.00	1.53	2.90
ENG	1	Episode Day 2, 2013	16	CO (PPM)	3.81	-9.00	3.81	6.20
ENG	1	Episode Day 2, 2013	17	CO (PPM)	3.73	-9.00	3.73	9.40
ENG	1	Episode Day 2, 2013	18	CO (PPM)	1.39	-9.00	1.39	3.20
ENG	1	Episode Day 2, 2013	19	CO (PPM)	0.70	-9.00	0.70	1.90
ENG	1	Episode Day 2, 2013	20	CO (PPM)	0.45	-9.00	0.45	1.60
ENG	1	Episode Day 2, 2013	21	CO (PPM)	0.44	-9.00	0.44	1.80
ENG	1	Episode Day 2, 2013	22	CO (PPM)	0.44	-9.00	0.44	2.30
ENG	1	Episode Day 2, 2013	23	CO (PPM)	0.42	-9.00	0.42	1.60
ENG	1	Episode Day 3, 2013	0	CO (PPM)	0.39	-9.00	0.39	1.50
ENG	1	Episode Day 3, 2013	1	CO (PPM)	0.35	-9.00	0.35	1.00
ENG	1	Episode Day 3, 2013	2	CO (PPM)	0.28	-9.00	0.28	0.60
ENG	1	Episode Day 3, 2013	3	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2013	4	CO (PPM)	0.26	-9.00	0.26	0.50
ENG	1	Episode Day 3, 2013	5	CO (PPM)	0.28	-9.00	0.28	0.70
ENG	1	Episode Day 3, 2013	6	CO (PPM)	0.43	-9.00	0.43	1.80
ENG	1	Episode Day 3, 2013	7	CO (PPM)	1.25	-9.00	1.25	3.50
ENG	1	Episode Day 3, 2013	8	CO (PPM)	0.58	-9.00	0.58	-9.00
ENG	1	Episode Day 3, 2013	9	CO (PPM)	0.61	-9.00	0.61	2.80
ENG	1	Episode Day 3, 2013	10	CO (PPM)	0.62	-9.00	0.62	2.00
ENG	1	Episode Day 3, 2013	11	CO (PPM)	0.68	-9.00	0.68	0.60
ENG	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.60
ENG	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	1.60
ENG	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ENG	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	4.30
ENG	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.00
ENG	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	2.10
ENG	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	1.40
ENG	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	1.10
ENG	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	1.50
BOU	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	0.40
BOU	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
BOU	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	1.40
BOU	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.80
BOU	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	2.70
BOU	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.10
BOU	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.60
BOU	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	1.50
BOU	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
BOU	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	0.40

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
BOU	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	0.30
BOU	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	0.10
BOU	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	0.00
BOU	1	Episode Day 1, 2013	22	CO (PPM)	0.97	-9.00	0.97	0.20
BOU	1	Episode Day 1, 2013	23	CO (PPM)	0.41	-9.00	0.41	0.50
BOU	1	Episode Day 2, 2013	0	CO (PPM)	0.25	-9.00	0.25	0.20
BOU	1	Episode Day 2, 2013	1	CO (PPM)	0.23	-9.00	0.23	0.20
BOU	1	Episode Day 2, 2013	2	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2013	3	CO (PPM)	0.23	-9.00	0.23	0.10
BOU	1	Episode Day 2, 2013	4	CO (PPM)	0.24	-9.00	0.24	0.30
BOU	1	Episode Day 2, 2013	5	CO (PPM)	0.30	-9.00	0.30	0.60
BOU	1	Episode Day 2, 2013	6	CO (PPM)	0.52	-9.00	0.52	1.20
BOU	1	Episode Day 2, 2013	7	CO (PPM)	0.84	-9.00	0.84	2.60
BOU	1	Episode Day 2, 2013	8	CO (PPM)	0.41	-9.00	0.41	2.20
BOU	1	Episode Day 2, 2013	9	CO (PPM)	0.50	-9.00	0.50	4.20
BOU	1	Episode Day 2, 2013	10	CO (PPM)	0.65	-9.00	0.65	2.90
BOU	1	Episode Day 2, 2013	11	CO (PPM)	0.65	-9.00	0.65	1.30
BOU	1	Episode Day 2, 2013	12	CO (PPM)	0.63	-9.00	0.63	1.40
BOU	1	Episode Day 2, 2013	13	CO (PPM)	0.57	-9.00	0.57	1.20
BOU	1	Episode Day 2, 2013	14	CO (PPM)	0.78	-9.00	0.78	1.20
BOU	1	Episode Day 2, 2013	15	CO (PPM)	1.47	-9.00	1.47	1.90
BOU	1	Episode Day 2, 2013	16	CO (PPM)	1.15	-9.00	1.15	2.00
BOU	1	Episode Day 2, 2013	17	CO (PPM)	0.63	-9.00	0.63	1.30
BOU	1	Episode Day 2, 2013	18	CO (PPM)	0.49	-9.00	0.49	1.10
BOU	1	Episode Day 2, 2013	19	CO (PPM)	0.51	-9.00	0.51	6.50
BOU	1	Episode Day 2, 2013	20	CO (PPM)	0.40	-9.00	0.40	1.60
BOU	1	Episode Day 2, 2013	21	CO (PPM)	0.35	-9.00	0.35	1.30
BOU	1	Episode Day 2, 2013	22	CO (PPM)	0.28	-9.00	0.28	0.80
BOU	1	Episode Day 2, 2013	23	CO (PPM)	0.26	-9.00	0.26	0.40
BOU	1	Episode Day 3, 2013	0	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2013	1	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2013	2	CO (PPM)	0.24	-9.00	0.24	0.00
BOU	1	Episode Day 3, 2013	3	CO (PPM)	0.25	-9.00	0.25	0.00
BOU	1	Episode Day 3, 2013	4	CO (PPM)	0.25	-9.00	0.25	0.10
BOU	1	Episode Day 3, 2013	5	CO (PPM)	0.24	-9.00	0.24	0.40
BOU	1	Episode Day 3, 2013	6	CO (PPM)	0.45	-9.00	0.45	0.80
BOU	1	Episode Day 3, 2013	7	CO (PPM)	0.89	-9.00	0.89	4.00
BOU	1	Episode Day 3, 2013	8	CO (PPM)	0.46	-9.00	0.46	2.30
BOU	1	Episode Day 3, 2013	9	CO (PPM)	0.40	-9.00	0.40	2.90
BOU	1	Episode Day 3, 2013	10	CO (PPM)	0.31	-9.00	0.31	0.70
BOU	1	Episode Day 3, 2013	11	CO (PPM)	0.36	-9.00	0.36	0.90
BOU	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.30
BOU	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
BOU	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.70
BOU	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	3.50
BOU	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	1.60
BOU	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
BOU	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	0.90
BOU	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	0.70
GRDS	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	3.00
GRDS	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	2.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 1, 2013	22	CO (PPM)	1.27	-9.00	1.27	4.00
GRDS	1	Episode Day 1, 2013	23	CO (PPM)	0.50	-9.00	0.50	3.00
GRDS	1	Episode Day 2, 2013	0	CO (PPM)	0.26	-9.00	0.26	0.80
GRDS	1	Episode Day 2, 2013	1	CO (PPM)	0.24	-9.00	0.24	0.50
GRDS	1	Episode Day 2, 2013	2	CO (PPM)	0.24	-9.00	0.24	0.70
GRDS	1	Episode Day 2, 2013	3	CO (PPM)	0.24	-9.00	0.24	0.90
GRDS	1	Episode Day 2, 2013	4	CO (PPM)	0.25	-9.00	0.25	1.10
GRDS	1	Episode Day 2, 2013	5	CO (PPM)	0.30	-9.00	0.30	1.50
GRDS	1	Episode Day 2, 2013	6	CO (PPM)	0.57	-9.00	0.57	5.30
GRDS	1	Episode Day 2, 2013	7	CO (PPM)	1.14	-9.00	1.14	16.30
GRDS	1	Episode Day 2, 2013	8	CO (PPM)	0.53	-9.00	0.53	16.60
GRDS	1	Episode Day 2, 2013	9	CO (PPM)	0.58	-9.00	0.58	6.10
GRDS	1	Episode Day 2, 2013	10	CO (PPM)	0.76	-9.00	0.76	2.00
GRDS	1	Episode Day 2, 2013	11	CO (PPM)	0.74	-9.00	0.74	1.80
GRDS	1	Episode Day 2, 2013	12	CO (PPM)	0.63	-9.00	0.63	1.80
GRDS	1	Episode Day 2, 2013	13	CO (PPM)	0.58	-9.00	0.58	-9.00
GRDS	1	Episode Day 2, 2013	14	CO (PPM)	0.81	-9.00	0.81	2.40
GRDS	1	Episode Day 2, 2013	15	CO (PPM)	1.56	-9.00	1.56	3.50
GRDS	1	Episode Day 2, 2013	16	CO (PPM)	1.57	-9.00	1.57	4.70
GRDS	1	Episode Day 2, 2013	17	CO (PPM)	0.81	-9.00	0.81	10.00
GRDS	1	Episode Day 2, 2013	18	CO (PPM)	0.62	-9.00	0.62	13.20
GRDS	1	Episode Day 2, 2013	19	CO (PPM)	0.61	-9.00	0.61	14.00
GRDS	1	Episode Day 2, 2013	20	CO (PPM)	0.47	-9.00	0.47	10.60
GRDS	1	Episode Day 2, 2013	21	CO (PPM)	0.39	-9.00	0.39	7.30
GRDS	1	Episode Day 2, 2013	22	CO (PPM)	0.30	-9.00	0.30	3.30
GRDS	1	Episode Day 2, 2013	23	CO (PPM)	0.27	-9.00	0.27	2.30
GRDS	1	Episode Day 3, 2013	0	CO (PPM)	0.26	-9.00	0.26	1.00
GRDS	1	Episode Day 3, 2013	1	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2013	2	CO (PPM)	0.24	-9.00	0.24	0.00
GRDS	1	Episode Day 3, 2013	3	CO (PPM)	0.25	-9.00	0.25	0.00
GRDS	1	Episode Day 3, 2013	4	CO (PPM)	0.26	-9.00	0.26	0.00
GRDS	1	Episode Day 3, 2013	5	CO (PPM)	0.24	-9.00	0.24	1.00
GRDS	1	Episode Day 3, 2013	6	CO (PPM)	0.43	-9.00	0.43	2.00
GRDS	1	Episode Day 3, 2013	7	CO (PPM)	1.00	-9.00	1.00	9.00
GRDS	1	Episode Day 3, 2013	8	CO (PPM)	0.53	-9.00	0.53	8.00
GRDS	1	Episode Day 3, 2013	9	CO (PPM)	0.49	-9.00	0.49	4.00
GRDS	1	Episode Day 3, 2013	10	CO (PPM)	0.32	-9.00	0.32	1.00
GRDS	1	Episode Day 3, 2013	11	CO (PPM)	0.37	-9.00	0.37	1.00
GRDS	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	2.00
GRDS	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
GRDS	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	6.00
GRDS	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	9.00
GRDS	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	7.00
GRDS	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	4.00
GRDS	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	2.70
ARV	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	3.30
ARV	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.60
ARV	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	2.50
ARV	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	4.20
ARV	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	2.00
ARV	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.70
ARV	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.90
ARV	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.50
ARV	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	1.30
ARV	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.20
ARV	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	3.80
ARV	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	3.70
ARV	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	4.50
ARV	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	6.50
ARV	1	Episode Day 1, 2013	22	CO (PPM)	2.70	-9.00	2.70	5.40
ARV	1	Episode Day 1, 2013	23	CO (PPM)	2.42	-9.00	2.42	2.40

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	1	Episode Day 2, 2013	0	CO (PPM)	1.19	-9.00	1.19	1.70
ARV	1	Episode Day 2, 2013	1	CO (PPM)	0.69	-9.00	0.69	1.30
ARV	1	Episode Day 2, 2013	2	CO (PPM)	0.90	-9.00	0.90	1.50
ARV	1	Episode Day 2, 2013	3	CO (PPM)	0.62	-9.00	0.62	1.40
ARV	1	Episode Day 2, 2013	4	CO (PPM)	0.37	-9.00	0.37	1.20
ARV	1	Episode Day 2, 2013	5	CO (PPM)	0.36	-9.00	0.36	1.80
ARV	1	Episode Day 2, 2013	6	CO (PPM)	0.43	-9.00	0.43	3.80
ARV	1	Episode Day 2, 2013	7	CO (PPM)	0.73	-9.00	0.73	9.60
ARV	1	Episode Day 2, 2013	8	CO (PPM)	0.63	-9.00	0.63	11.00
ARV	1	Episode Day 2, 2013	9	CO (PPM)	0.76	-9.00	0.76	6.60
ARV	1	Episode Day 2, 2013	10	CO (PPM)	0.75	-9.00	0.75	4.40
ARV	1	Episode Day 2, 2013	11	CO (PPM)	0.83	-9.00	0.83	2.20
ARV	1	Episode Day 2, 2013	12	CO (PPM)	0.96	-9.00	0.96	1.70
ARV	1	Episode Day 2, 2013	13	CO (PPM)	1.03	-9.00	1.03	1.60
ARV	1	Episode Day 2, 2013	14	CO (PPM)	1.18	-9.00	1.18	1.70
ARV	1	Episode Day 2, 2013	15	CO (PPM)	1.52	-9.00	1.52	2.60
ARV	1	Episode Day 2, 2013	16	CO (PPM)	2.92	-9.00	2.92	5.20
ARV	1	Episode Day 2, 2013	17	CO (PPM)	2.17	-9.00	2.17	6.30
ARV	1	Episode Day 2, 2013	18	CO (PPM)	0.95	-9.00	0.95	6.20
ARV	1	Episode Day 2, 2013	19	CO (PPM)	0.53	-9.00	0.53	6.00
ARV	1	Episode Day 2, 2013	20	CO (PPM)	0.44	-9.00	0.44	5.10
ARV	1	Episode Day 2, 2013	21	CO (PPM)	0.45	-9.00	0.45	4.10
ARV	1	Episode Day 2, 2013	22	CO (PPM)	0.42	-9.00	0.42	3.20
ARV	1	Episode Day 2, 2013	23	CO (PPM)	0.37	-9.00	0.37	2.30
ARV	1	Episode Day 3, 2013	0	CO (PPM)	0.33	-9.00	0.33	1.50
ARV	1	Episode Day 3, 2013	1	CO (PPM)	0.31	-9.00	0.31	1.20
ARV	1	Episode Day 3, 2013	2	CO (PPM)	0.30	-9.00	0.30	1.10
ARV	1	Episode Day 3, 2013	3	CO (PPM)	0.28	-9.00	0.28	0.90
ARV	1	Episode Day 3, 2013	4	CO (PPM)	0.25	-9.00	0.25	0.60
ARV	1	Episode Day 3, 2013	5	CO (PPM)	0.28	-9.00	0.28	1.10
ARV	1	Episode Day 3, 2013	6	CO (PPM)	0.58	-9.00	0.58	2.90
ARV	1	Episode Day 3, 2013	7	CO (PPM)	1.33	-9.00	1.33	8.20
ARV	1	Episode Day 3, 2013	8	CO (PPM)	0.74	-9.00	0.74	7.30
ARV	1	Episode Day 3, 2013	9	CO (PPM)	0.75	-9.00	0.75	4.50
ARV	1	Episode Day 3, 2013	10	CO (PPM)	0.73	-9.00	0.73	-9.00
ARV	1	Episode Day 3, 2013	11	CO (PPM)	0.76	-9.00	0.76	1.00
ARV	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.90
ARV	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	1.00
ARV	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	2.40
ARV	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	5.50
ARV	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	5.20
ARV	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	4.80
ARV	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	3.90
ARV	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	4.00
ARV	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	4.30
ARV	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	2.00
HLD	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
HLD	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	1.20
HLD	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	1.50
HLD	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.10
HLD	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	0.50
HLD	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 1, 2013	22	CO (PPM)	0.25	-9.00	0.25	0.30
HLD	1	Episode Day 1, 2013	23	CO (PPM)	0.24	-9.00	0.24	0.20
HLD	1	Episode Day 2, 2013	0	CO (PPM)	0.23	-9.00	0.23	0.20
HLD	1	Episode Day 2, 2013	1	CO (PPM)	0.22	-9.00	0.22	0.20
HLD	1	Episode Day 2, 2013	2	CO (PPM)	0.21	-9.00	0.21	0.10

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	1	Episode Day 2, 2013	3	CO (PPM)	0.21	-9.00	0.21	0.20
HLD	1	Episode Day 2, 2013	4	CO (PPM)	0.22	-9.00	0.22	0.10
HLD	1	Episode Day 2, 2013	5	CO (PPM)	0.23	-9.00	0.23	0.10
HLD	1	Episode Day 2, 2013	6	CO (PPM)	0.28	-9.00	0.28	0.10
HLD	1	Episode Day 2, 2013	7	CO (PPM)	0.39	-9.00	0.39	0.10
HLD	1	Episode Day 2, 2013	8	CO (PPM)	0.27	-9.00	0.27	0.00
HLD	1	Episode Day 2, 2013	9	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2013	10	CO (PPM)	0.23	-9.00	0.23	0.00
HLD	1	Episode Day 2, 2013	11	CO (PPM)	0.24	-9.00	0.24	0.00
HLD	1	Episode Day 2, 2013	12	CO (PPM)	0.40	-9.00	0.40	0.00
HLD	1	Episode Day 2, 2013	13	CO (PPM)	0.47	-9.00	0.47	0.00
HLD	1	Episode Day 2, 2013	14	CO (PPM)	0.62	-9.00	0.62	0.00
HLD	1	Episode Day 2, 2013	15	CO (PPM)	1.05	-9.00	1.05	0.70
HLD	1	Episode Day 2, 2013	16	CO (PPM)	2.55	-9.00	2.55	4.00
HLD	1	Episode Day 2, 2013	17	CO (PPM)	3.20	-9.00	3.20	4.40
HLD	1	Episode Day 2, 2013	18	CO (PPM)	1.09	-9.00	1.09	1.60
HLD	1	Episode Day 2, 2013	19	CO (PPM)	0.39	-9.00	0.39	0.70
HLD	1	Episode Day 2, 2013	20	CO (PPM)	0.30	-9.00	0.30	0.50
HLD	1	Episode Day 2, 2013	21	CO (PPM)	0.28	-9.00	0.28	0.30
HLD	1	Episode Day 2, 2013	22	CO (PPM)	0.26	-9.00	0.26	0.30
HLD	1	Episode Day 2, 2013	23	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2013	0	CO (PPM)	0.25	-9.00	0.25	0.40
HLD	1	Episode Day 3, 2013	1	CO (PPM)	0.24	-9.00	0.24	0.40
HLD	1	Episode Day 3, 2013	2	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2013	3	CO (PPM)	0.22	-9.00	0.22	0.50
HLD	1	Episode Day 3, 2013	4	CO (PPM)	0.22	-9.00	0.22	0.40
HLD	1	Episode Day 3, 2013	5	CO (PPM)	0.24	-9.00	0.24	0.30
HLD	1	Episode Day 3, 2013	6	CO (PPM)	0.31	-9.00	0.31	0.30
HLD	1	Episode Day 3, 2013	7	CO (PPM)	0.89	-9.00	0.89	1.90
HLD	1	Episode Day 3, 2013	8	CO (PPM)	0.71	-9.00	0.71	2.00
HLD	1	Episode Day 3, 2013	9	CO (PPM)	0.68	-9.00	0.68	1.10
HLD	1	Episode Day 3, 2013	10	CO (PPM)	0.47	-9.00	0.47	0.00
HLD	1	Episode Day 3, 2013	11	CO (PPM)	0.39	-9.00	0.39	0.00
HLD	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.00
HLD	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	0.70
HLD	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	0.20
HLD	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	0.80
HLD	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	0.30
HLD	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	0.40
HLD	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	1.80
AUR	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 1, 2013	22	CO (PPM)	0.78	-9.00	0.78	-9.00
AUR	1	Episode Day 1, 2013	23	CO (PPM)	0.79	-9.00	0.79	-9.00
AUR	1	Episode Day 2, 2013	0	CO (PPM)	0.69	-9.00	0.69	-9.00
AUR	1	Episode Day 2, 2013	1	CO (PPM)	0.44	-9.00	0.44	-9.00
AUR	1	Episode Day 2, 2013	2	CO (PPM)	0.34	-9.00	0.34	-9.00
AUR	1	Episode Day 2, 2013	3	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 2, 2013	4	CO (PPM)	0.33	-9.00	0.33	-9.00
AUR	1	Episode Day 2, 2013	5	CO (PPM)	0.37	-9.00	0.37	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	1	Episode Day 2, 2013	6	CO (PPM)	0.54	-9.00	0.54	-9.00
AUR	1	Episode Day 2, 2013	7	CO (PPM)	1.16	-9.00	1.16	-9.00
AUR	1	Episode Day 2, 2013	8	CO (PPM)	0.90	-9.00	0.90	-9.00
AUR	1	Episode Day 2, 2013	9	CO (PPM)	0.63	-9.00	0.63	-9.00
AUR	1	Episode Day 2, 2013	10	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2013	11	CO (PPM)	0.41	-9.00	0.41	-9.00
AUR	1	Episode Day 2, 2013	12	CO (PPM)	0.46	-9.00	0.46	-9.00
AUR	1	Episode Day 2, 2013	13	CO (PPM)	0.55	-9.00	0.55	-9.00
AUR	1	Episode Day 2, 2013	14	CO (PPM)	0.77	-9.00	0.77	-9.00
AUR	1	Episode Day 2, 2013	15	CO (PPM)	1.23	-9.00	1.23	-9.00
AUR	1	Episode Day 2, 2013	16	CO (PPM)	2.36	-9.00	2.36	-9.00
AUR	1	Episode Day 2, 2013	17	CO (PPM)	2.96	-9.00	2.96	-9.00
AUR	1	Episode Day 2, 2013	18	CO (PPM)	3.22	-9.00	3.22	-9.00
AUR	1	Episode Day 2, 2013	19	CO (PPM)	4.08	-9.00	4.08	-9.00
AUR	1	Episode Day 2, 2013	20	CO (PPM)	3.95	-9.00	3.95	-9.00
AUR	1	Episode Day 2, 2013	21	CO (PPM)	1.27	-9.00	1.27	-9.00
AUR	1	Episode Day 2, 2013	22	CO (PPM)	0.93	-9.00	0.93	-9.00
AUR	1	Episode Day 2, 2013	23	CO (PPM)	0.70	-9.00	0.70	-9.00
AUR	1	Episode Day 3, 2013	0	CO (PPM)	0.50	-9.00	0.50	-9.00
AUR	1	Episode Day 3, 2013	1	CO (PPM)	0.38	-9.00	0.38	-9.00
AUR	1	Episode Day 3, 2013	2	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2013	3	CO (PPM)	0.27	-9.00	0.27	-9.00
AUR	1	Episode Day 3, 2013	4	CO (PPM)	0.28	-9.00	0.28	-9.00
AUR	1	Episode Day 3, 2013	5	CO (PPM)	0.31	-9.00	0.31	-9.00
AUR	1	Episode Day 3, 2013	6	CO (PPM)	0.47	-9.00	0.47	-9.00
AUR	1	Episode Day 3, 2013	7	CO (PPM)	1.06	-9.00	1.06	-9.00
AUR	1	Episode Day 3, 2013	8	CO (PPM)	0.66	-9.00	0.66	-9.00
AUR	1	Episode Day 3, 2013	9	CO (PPM)	0.59	-9.00	0.59	-9.00
AUR	1	Episode Day 3, 2013	10	CO (PPM)	0.58	-9.00	0.58	-9.00
AUR	1	Episode Day 3, 2013	11	CO (PPM)	0.53	-9.00	0.53	-9.00
AUR	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AUR	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
AURS	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	0.60
AURS	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	0.40
AURS	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	2.20
AURS	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	1.40
AURS	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.50
AURS	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	1.20
AURS	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	3.70
AURS	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	1.60
AURS	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	1.30
AURS	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	0.90
AURS	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 1, 2013	22	CO (PPM)	0.56	-9.00	0.56	1.00
AURS	1	Episode Day 1, 2013	23	CO (PPM)	0.53	-9.00	0.53	0.90
AURS	1	Episode Day 2, 2013	0	CO (PPM)	0.40	-9.00	0.40	0.80
AURS	1	Episode Day 2, 2013	1	CO (PPM)	0.31	-9.00	0.31	0.50
AURS	1	Episode Day 2, 2013	2	CO (PPM)	0.27	-9.00	0.27	0.30
AURS	1	Episode Day 2, 2013	3	CO (PPM)	0.26	-9.00	0.26	0.30
AURS	1	Episode Day 2, 2013	4	CO (PPM)	0.28	-9.00	0.28	0.30
AURS	1	Episode Day 2, 2013	5	CO (PPM)	0.32	-9.00	0.32	0.90
AURS	1	Episode Day 2, 2013	6	CO (PPM)	0.54	-9.00	0.54	2.80
AURS	1	Episode Day 2, 2013	7	CO (PPM)	1.09	-9.00	1.09	3.90
AURS	1	Episode Day 2, 2013	8	CO (PPM)	0.65	-9.00	0.65	2.70

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	1	Episode Day 2, 2013	9	CO (PPM)	0.37	-9.00	0.37	2.30
AURS	1	Episode Day 2, 2013	10	CO (PPM)	0.31	-9.00	0.31	2.10
AURS	1	Episode Day 2, 2013	11	CO (PPM)	0.35	-9.00	0.35	2.70
AURS	1	Episode Day 2, 2013	12	CO (PPM)	0.48	-9.00	0.48	2.30
AURS	1	Episode Day 2, 2013	13	CO (PPM)	0.62	-9.00	0.62	2.50
AURS	1	Episode Day 2, 2013	14	CO (PPM)	0.83	-9.00	0.83	1.70
AURS	1	Episode Day 2, 2013	15	CO (PPM)	1.34	-9.00	1.34	2.60
AURS	1	Episode Day 2, 2013	16	CO (PPM)	3.54	-9.00	3.54	5.30
AURS	1	Episode Day 2, 2013	17	CO (PPM)	5.75	-9.00	5.75	11.20
AURS	1	Episode Day 2, 2013	18	CO (PPM)	6.19	-9.00	6.19	5.60
AURS	1	Episode Day 2, 2013	19	CO (PPM)	3.82	-9.00	3.82	3.00
AURS	1	Episode Day 2, 2013	20	CO (PPM)	0.93	-9.00	0.93	2.20
AURS	1	Episode Day 2, 2013	21	CO (PPM)	0.62	-9.00	0.62	1.80
AURS	1	Episode Day 2, 2013	22	CO (PPM)	0.54	-9.00	0.54	1.70
AURS	1	Episode Day 2, 2013	23	CO (PPM)	0.41	-9.00	0.41	1.30
AURS	1	Episode Day 3, 2013	0	CO (PPM)	0.36	-9.00	0.36	0.80
AURS	1	Episode Day 3, 2013	1	CO (PPM)	0.35	-9.00	0.35	0.50
AURS	1	Episode Day 3, 2013	2	CO (PPM)	0.28	-9.00	0.28	0.50
AURS	1	Episode Day 3, 2013	3	CO (PPM)	0.25	-9.00	0.25	0.50
AURS	1	Episode Day 3, 2013	4	CO (PPM)	0.26	-9.00	0.26	0.70
AURS	1	Episode Day 3, 2013	5	CO (PPM)	0.30	-9.00	0.30	1.20
AURS	1	Episode Day 3, 2013	6	CO (PPM)	0.48	-9.00	0.48	5.40
AURS	1	Episode Day 3, 2013	7	CO (PPM)	1.08	-9.00	1.08	6.90
AURS	1	Episode Day 3, 2013	8	CO (PPM)	0.54	-9.00	0.54	5.00
AURS	1	Episode Day 3, 2013	9	CO (PPM)	0.55	-9.00	0.55	3.30
AURS	1	Episode Day 3, 2013	10	CO (PPM)	0.50	-9.00	0.50	0.90
AURS	1	Episode Day 3, 2013	11	CO (PPM)	0.45	-9.00	0.45	0.90
AURS	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	0.70
AURS	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	0.80
AURS	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	1.80
AURS	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	3.40
AURS	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	3.90
AURS	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	2.70
AURS	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	3.00
AURS	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	2.50
AURS	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	1.50
AURS	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	1.10
PLM	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 1, 2013	22	CO (PPM)	1.09	-9.00	1.09	-9.00
PLM	1	Episode Day 1, 2013	23	CO (PPM)	1.13	-9.00	1.13	-9.00
PLM	1	Episode Day 2, 2013	0	CO (PPM)	0.86	-9.00	0.86	-9.00
PLM	1	Episode Day 2, 2013	1	CO (PPM)	0.49	-9.00	0.49	-9.00
PLM	1	Episode Day 2, 2013	2	CO (PPM)	0.41	-9.00	0.41	-9.00
PLM	1	Episode Day 2, 2013	3	CO (PPM)	0.38	-9.00	0.38	-9.00
PLM	1	Episode Day 2, 2013	4	CO (PPM)	0.40	-9.00	0.40	-9.00
PLM	1	Episode Day 2, 2013	5	CO (PPM)	0.43	-9.00	0.43	-9.00
PLM	1	Episode Day 2, 2013	6	CO (PPM)	0.64	-9.00	0.64	-9.00
PLM	1	Episode Day 2, 2013	7	CO (PPM)	1.57	-9.00	1.57	-9.00
PLM	1	Episode Day 2, 2013	8	CO (PPM)	1.06	-9.00	1.06	-9.00
PLM	1	Episode Day 2, 2013	9	CO (PPM)	0.82	-9.00	0.82	-9.00
PLM	1	Episode Day 2, 2013	10	CO (PPM)	0.52	-9.00	0.52	-9.00
PLM	1	Episode Day 2, 2013	11	CO (PPM)	0.51	-9.00	0.51	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	1	Episode Day 2, 2013	12	CO (PPM)	0.59	-9.00	0.59	-9.00
PLM	1	Episode Day 2, 2013	13	CO (PPM)	0.65	-9.00	0.65	-9.00
PLM	1	Episode Day 2, 2013	14	CO (PPM)	0.95	-9.00	0.95	-9.00
PLM	1	Episode Day 2, 2013	15	CO (PPM)	1.54	-9.00	1.54	-9.00
PLM	1	Episode Day 2, 2013	16	CO (PPM)	3.13	-9.00	3.13	-9.00
PLM	1	Episode Day 2, 2013	17	CO (PPM)	4.05	-9.00	4.05	-9.00
PLM	1	Episode Day 2, 2013	18	CO (PPM)	4.65	-9.00	4.65	-9.00
PLM	1	Episode Day 2, 2013	19	CO (PPM)	5.91	-9.00	5.91	-9.00
PLM	1	Episode Day 2, 2013	20	CO (PPM)	1.97	-9.00	1.97	-9.00
PLM	1	Episode Day 2, 2013	21	CO (PPM)	1.04	-9.00	1.04	-9.00
PLM	1	Episode Day 2, 2013	22	CO (PPM)	1.07	-9.00	1.07	-9.00
PLM	1	Episode Day 2, 2013	23	CO (PPM)	0.82	-9.00	0.82	-9.00
PLM	1	Episode Day 3, 2013	0	CO (PPM)	0.57	-9.00	0.57	-9.00
PLM	1	Episode Day 3, 2013	1	CO (PPM)	0.47	-9.00	0.47	-9.00
PLM	1	Episode Day 3, 2013	2	CO (PPM)	0.39	-9.00	0.39	-9.00
PLM	1	Episode Day 3, 2013	3	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2013	4	CO (PPM)	0.31	-9.00	0.31	-9.00
PLM	1	Episode Day 3, 2013	5	CO (PPM)	0.37	-9.00	0.37	-9.00
PLM	1	Episode Day 3, 2013	6	CO (PPM)	0.55	-9.00	0.55	-9.00
PLM	1	Episode Day 3, 2013	7	CO (PPM)	1.47	-9.00	1.47	-9.00
PLM	1	Episode Day 3, 2013	8	CO (PPM)	0.91	-9.00	0.91	-9.00
PLM	1	Episode Day 3, 2013	9	CO (PPM)	0.73	-9.00	0.73	-9.00
PLM	1	Episode Day 3, 2013	10	CO (PPM)	0.69	-9.00	0.69	-9.00
PLM	1	Episode Day 3, 2013	11	CO (PPM)	0.78	-9.00	0.78	-9.00
PLM	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
PLM	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 1, 2013	22	CO (PPM)	0.27	-9.00	0.27	-9.00
BTN	1	Episode Day 1, 2013	23	CO (PPM)	0.30	-9.00	0.30	-9.00
BTN	1	Episode Day 2, 2013	0	CO (PPM)	0.42	-9.00	0.42	-9.00
BTN	1	Episode Day 2, 2013	1	CO (PPM)	0.52	-9.00	0.52	-9.00
BTN	1	Episode Day 2, 2013	2	CO (PPM)	0.49	-9.00	0.49	-9.00
BTN	1	Episode Day 2, 2013	3	CO (PPM)	0.44	-9.00	0.44	-9.00
BTN	1	Episode Day 2, 2013	4	CO (PPM)	0.36	-9.00	0.36	-9.00
BTN	1	Episode Day 2, 2013	5	CO (PPM)	0.31	-9.00	0.31	-9.00
BTN	1	Episode Day 2, 2013	6	CO (PPM)	0.32	-9.00	0.32	-9.00
BTN	1	Episode Day 2, 2013	7	CO (PPM)	0.51	-9.00	0.51	-9.00
BTN	1	Episode Day 2, 2013	8	CO (PPM)	0.47	-9.00	0.47	-9.00
BTN	1	Episode Day 2, 2013	9	CO (PPM)	0.54	-9.00	0.54	-9.00
BTN	1	Episode Day 2, 2013	10	CO (PPM)	0.65	-9.00	0.65	-9.00
BTN	1	Episode Day 2, 2013	11	CO (PPM)	0.77	-9.00	0.77	-9.00
BTN	1	Episode Day 2, 2013	12	CO (PPM)	0.76	-9.00	0.76	-9.00
BTN	1	Episode Day 2, 2013	13	CO (PPM)	0.74	-9.00	0.74	-9.00
BTN	1	Episode Day 2, 2013	14	CO (PPM)	0.78	-9.00	0.78	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	1	Episode Day 2, 2013	15	CO (PPM)	0.91	-9.00	0.91	-9.00
BTN	1	Episode Day 2, 2013	16	CO (PPM)	1.24	-9.00	1.24	-9.00
BTN	1	Episode Day 2, 2013	17	CO (PPM)	1.43	-9.00	1.43	-9.00
BTN	1	Episode Day 2, 2013	18	CO (PPM)	1.53	-9.00	1.53	-9.00
BTN	1	Episode Day 2, 2013	19	CO (PPM)	1.23	-9.00	1.23	-9.00
BTN	1	Episode Day 2, 2013	20	CO (PPM)	0.75	-9.00	0.75	-9.00
BTN	1	Episode Day 2, 2013	21	CO (PPM)	0.86	-9.00	0.86	-9.00
BTN	1	Episode Day 2, 2013	22	CO (PPM)	1.39	-9.00	1.39	-9.00
BTN	1	Episode Day 2, 2013	23	CO (PPM)	1.67	-9.00	1.67	-9.00
BTN	1	Episode Day 3, 2013	0	CO (PPM)	1.05	-9.00	1.05	-9.00
BTN	1	Episode Day 3, 2013	1	CO (PPM)	0.80	-9.00	0.80	-9.00
BTN	1	Episode Day 3, 2013	2	CO (PPM)	0.61	-9.00	0.61	-9.00
BTN	1	Episode Day 3, 2013	3	CO (PPM)	0.41	-9.00	0.41	-9.00
BTN	1	Episode Day 3, 2013	4	CO (PPM)	0.34	-9.00	0.34	-9.00
BTN	1	Episode Day 3, 2013	5	CO (PPM)	0.33	-9.00	0.33	-9.00
BTN	1	Episode Day 3, 2013	6	CO (PPM)	0.38	-9.00	0.38	-9.00
BTN	1	Episode Day 3, 2013	7	CO (PPM)	0.42	-9.00	0.42	-9.00
BTN	1	Episode Day 3, 2013	8	CO (PPM)	0.35	-9.00	0.35	-9.00
BTN	1	Episode Day 3, 2013	9	CO (PPM)	0.39	-9.00	0.39	-9.00
BTN	1	Episode Day 3, 2013	10	CO (PPM)	0.35	-9.00	0.35	-9.00
BTN	1	Episode Day 3, 2013	11	CO (PPM)	0.26	-9.00	0.26	-9.00
BTN	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
BTN	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 1, 2013	22	CO (PPM)	1.10	-9.00	1.10	-9.00
U_1	1	Episode Day 1, 2013	23	CO (PPM)	1.14	-9.00	1.14	-9.00
U_1	1	Episode Day 2, 2013	0	CO (PPM)	0.84	-9.00	0.84	-9.00
U_1	1	Episode Day 2, 2013	1	CO (PPM)	0.54	-9.00	0.54	-9.00
U_1	1	Episode Day 2, 2013	2	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2013	3	CO (PPM)	0.41	-9.00	0.41	-9.00
U_1	1	Episode Day 2, 2013	4	CO (PPM)	0.44	-9.00	0.44	-9.00
U_1	1	Episode Day 2, 2013	5	CO (PPM)	0.48	-9.00	0.48	-9.00
U_1	1	Episode Day 2, 2013	6	CO (PPM)	0.70	-9.00	0.70	-9.00
U_1	1	Episode Day 2, 2013	7	CO (PPM)	1.86	-9.00	1.86	-9.00
U_1	1	Episode Day 2, 2013	8	CO (PPM)	1.22	-9.00	1.22	-9.00
U_1	1	Episode Day 2, 2013	9	CO (PPM)	0.74	-9.00	0.74	-9.00
U_1	1	Episode Day 2, 2013	10	CO (PPM)	0.50	-9.00	0.50	-9.00
U_1	1	Episode Day 2, 2013	11	CO (PPM)	0.56	-9.00	0.56	-9.00
U_1	1	Episode Day 2, 2013	12	CO (PPM)	0.75	-9.00	0.75	-9.00
U_1	1	Episode Day 2, 2013	13	CO (PPM)	0.95	-9.00	0.95	-9.00
U_1	1	Episode Day 2, 2013	14	CO (PPM)	1.52	-9.00	1.52	-9.00
U_1	1	Episode Day 2, 2013	15	CO (PPM)	2.12	-9.00	2.12	-9.00
U_1	1	Episode Day 2, 2013	16	CO (PPM)	5.03	-9.00	5.03	-9.00
U_1	1	Episode Day 2, 2013	17	CO (PPM)	8.60	-9.00	8.60	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	1	Episode Day 2, 2013	18	CO (PPM)	8.62	-9.00	8.62	-9.00
U_1	1	Episode Day 2, 2013	19	CO (PPM)	2.72	-9.00	2.72	-9.00
U_1	1	Episode Day 2, 2013	20	CO (PPM)	1.15	-9.00	1.15	-9.00
U_1	1	Episode Day 2, 2013	21	CO (PPM)	1.01	-9.00	1.01	-9.00
U_1	1	Episode Day 2, 2013	22	CO (PPM)	0.99	-9.00	0.99	-9.00
U_1	1	Episode Day 2, 2013	23	CO (PPM)	0.86	-9.00	0.86	-9.00
U_1	1	Episode Day 3, 2013	0	CO (PPM)	0.67	-9.00	0.67	-9.00
U_1	1	Episode Day 3, 2013	1	CO (PPM)	0.58	-9.00	0.58	-9.00
U_1	1	Episode Day 3, 2013	2	CO (PPM)	0.41	-9.00	0.41	-9.00
U_1	1	Episode Day 3, 2013	3	CO (PPM)	0.32	-9.00	0.32	-9.00
U_1	1	Episode Day 3, 2013	4	CO (PPM)	0.34	-9.00	0.34	-9.00
U_1	1	Episode Day 3, 2013	5	CO (PPM)	0.47	-9.00	0.47	-9.00
U_1	1	Episode Day 3, 2013	6	CO (PPM)	0.86	-9.00	0.86	-9.00
U_1	1	Episode Day 3, 2013	7	CO (PPM)	2.35	-9.00	2.35	-9.00
U_1	1	Episode Day 3, 2013	8	CO (PPM)	1.47	-9.00	1.47	-9.00
U_1	1	Episode Day 3, 2013	9	CO (PPM)	1.03	-9.00	1.03	-9.00
U_1	1	Episode Day 3, 2013	10	CO (PPM)	0.89	-9.00	0.89	-9.00
U_1	1	Episode Day 3, 2013	11	CO (PPM)	0.86	-9.00	0.86	-9.00
U_1	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_1	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 1, 2013	22	CO (PPM)	1.34	-9.00	1.34	-9.00
F_A	1	Episode Day 1, 2013	23	CO (PPM)	0.65	-9.00	0.65	-9.00
F_A	1	Episode Day 2, 2013	0	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 2, 2013	1	CO (PPM)	0.25	-9.00	0.25	-9.00
F_A	1	Episode Day 2, 2013	2	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2013	3	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2013	4	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 2, 2013	5	CO (PPM)	0.34	-9.00	0.34	-9.00
F_A	1	Episode Day 2, 2013	6	CO (PPM)	0.62	-9.00	0.62	-9.00
F_A	1	Episode Day 2, 2013	7	CO (PPM)	1.30	-9.00	1.30	-9.00
F_A	1	Episode Day 2, 2013	8	CO (PPM)	0.65	-9.00	0.65	-9.00
F_A	1	Episode Day 2, 2013	9	CO (PPM)	0.60	-9.00	0.60	-9.00
F_A	1	Episode Day 2, 2013	10	CO (PPM)	0.59	-9.00	0.59	-9.00
F_A	1	Episode Day 2, 2013	11	CO (PPM)	0.54	-9.00	0.54	-9.00
F_A	1	Episode Day 2, 2013	12	CO (PPM)	0.51	-9.00	0.51	-9.00
F_A	1	Episode Day 2, 2013	13	CO (PPM)	0.48	-9.00	0.48	-9.00
F_A	1	Episode Day 2, 2013	14	CO (PPM)	0.67	-9.00	0.67	-9.00
F_A	1	Episode Day 2, 2013	15	CO (PPM)	1.19	-9.00	1.19	-9.00
F_A	1	Episode Day 2, 2013	16	CO (PPM)	1.77	-9.00	1.77	-9.00
F_A	1	Episode Day 2, 2013	17	CO (PPM)	0.97	-9.00	0.97	-9.00
F_A	1	Episode Day 2, 2013	18	CO (PPM)	0.74	-9.00	0.74	-9.00
F_A	1	Episode Day 2, 2013	19	CO (PPM)	0.77	-9.00	0.77	-9.00
F_A	1	Episode Day 2, 2013	20	CO (PPM)	0.66	-9.00	0.66	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	1	Episode Day 2, 2013	21	CO (PPM)	0.48	-9.00	0.48	-9.00
F_A	1	Episode Day 2, 2013	22	CO (PPM)	0.36	-9.00	0.36	-9.00
F_A	1	Episode Day 2, 2013	23	CO (PPM)	0.30	-9.00	0.30	-9.00
F_A	1	Episode Day 3, 2013	0	CO (PPM)	0.28	-9.00	0.28	-9.00
F_A	1	Episode Day 3, 2013	1	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2013	2	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2013	3	CO (PPM)	0.27	-9.00	0.27	-9.00
F_A	1	Episode Day 3, 2013	4	CO (PPM)	0.29	-9.00	0.29	-9.00
F_A	1	Episode Day 3, 2013	5	CO (PPM)	0.26	-9.00	0.26	-9.00
F_A	1	Episode Day 3, 2013	6	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2013	7	CO (PPM)	1.13	-9.00	1.13	-9.00
F_A	1	Episode Day 3, 2013	8	CO (PPM)	0.64	-9.00	0.64	-9.00
F_A	1	Episode Day 3, 2013	9	CO (PPM)	0.44	-9.00	0.44	-9.00
F_A	1	Episode Day 3, 2013	10	CO (PPM)	0.31	-9.00	0.31	-9.00
F_A	1	Episode Day 3, 2013	11	CO (PPM)	0.38	-9.00	0.38	-9.00
F_A	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
F_A	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 1, 2013	22	CO (PPM)	0.60	-9.00	0.60	-9.00
H_U	1	Episode Day 1, 2013	23	CO (PPM)	0.40	-9.00	0.40	-9.00
H_U	1	Episode Day 2, 2013	0	CO (PPM)	0.34	-9.00	0.34	-9.00
H_U	1	Episode Day 2, 2013	1	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2013	2	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2013	3	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 2, 2013	4	CO (PPM)	0.29	-9.00	0.29	-9.00
H_U	1	Episode Day 2, 2013	5	CO (PPM)	0.31	-9.00	0.31	-9.00
H_U	1	Episode Day 2, 2013	6	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2013	7	CO (PPM)	0.77	-9.00	0.77	-9.00
H_U	1	Episode Day 2, 2013	8	CO (PPM)	0.54	-9.00	0.54	-9.00
H_U	1	Episode Day 2, 2013	9	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 2, 2013	10	CO (PPM)	0.29	-9.00	0.29	-9.00
H_U	1	Episode Day 2, 2013	11	CO (PPM)	0.32	-9.00	0.32	-9.00
H_U	1	Episode Day 2, 2013	12	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2013	13	CO (PPM)	0.59	-9.00	0.59	-9.00
H_U	1	Episode Day 2, 2013	14	CO (PPM)	1.00	-9.00	1.00	-9.00
H_U	1	Episode Day 2, 2013	15	CO (PPM)	1.85	-9.00	1.85	-9.00
H_U	1	Episode Day 2, 2013	16	CO (PPM)	4.14	-9.00	4.14	-9.00
H_U	1	Episode Day 2, 2013	17	CO (PPM)	4.42	-9.00	4.42	-9.00
H_U	1	Episode Day 2, 2013	18	CO (PPM)	1.75	-9.00	1.75	-9.00
H_U	1	Episode Day 2, 2013	19	CO (PPM)	0.80	-9.00	0.80	-9.00
H_U	1	Episode Day 2, 2013	20	CO (PPM)	0.43	-9.00	0.43	-9.00
H_U	1	Episode Day 2, 2013	21	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2013	22	CO (PPM)	0.41	-9.00	0.41	-9.00
H_U	1	Episode Day 2, 2013	23	CO (PPM)	0.37	-9.00	0.37	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	1	Episode Day 3, 2013	0	CO (PPM)	0.35	-9.00	0.35	-9.00
H_U	1	Episode Day 3, 2013	1	CO (PPM)	0.33	-9.00	0.33	-9.00
H_U	1	Episode Day 3, 2013	2	CO (PPM)	0.27	-9.00	0.27	-9.00
H_U	1	Episode Day 3, 2013	3	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2013	4	CO (PPM)	0.26	-9.00	0.26	-9.00
H_U	1	Episode Day 3, 2013	5	CO (PPM)	0.28	-9.00	0.28	-9.00
H_U	1	Episode Day 3, 2013	6	CO (PPM)	0.42	-9.00	0.42	-9.00
H_U	1	Episode Day 3, 2013	7	CO (PPM)	1.09	-9.00	1.09	-9.00
H_U	1	Episode Day 3, 2013	8	CO (PPM)	0.56	-9.00	0.56	-9.00
H_U	1	Episode Day 3, 2013	9	CO (PPM)	0.57	-9.00	0.57	-9.00
H_U	1	Episode Day 3, 2013	10	CO (PPM)	0.61	-9.00	0.61	-9.00
H_U	1	Episode Day 3, 2013	11	CO (PPM)	0.61	-9.00	0.61	-9.00
H_U	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
H_U	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 1, 2013	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 1, 2013	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 2, 2013	0	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2013	1	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2013	2	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2013	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 2, 2013	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 2, 2013	5	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2013	6	CO (PPM)	0.30	-9.00	0.30	-9.00
U_A	1	Episode Day 2, 2013	7	CO (PPM)	0.44	-9.00	0.44	-9.00
U_A	1	Episode Day 2, 2013	8	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2013	9	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 2, 2013	10	CO (PPM)	0.24	-9.00	0.24	-9.00
U_A	1	Episode Day 2, 2013	11	CO (PPM)	0.27	-9.00	0.27	-9.00
U_A	1	Episode Day 2, 2013	12	CO (PPM)	0.41	-9.00	0.41	-9.00
U_A	1	Episode Day 2, 2013	13	CO (PPM)	0.48	-9.00	0.48	-9.00
U_A	1	Episode Day 2, 2013	14	CO (PPM)	0.69	-9.00	0.69	-9.00
U_A	1	Episode Day 2, 2013	15	CO (PPM)	1.17	-9.00	1.17	-9.00
U_A	1	Episode Day 2, 2013	16	CO (PPM)	2.89	-9.00	2.89	-9.00
U_A	1	Episode Day 2, 2013	17	CO (PPM)	3.28	-9.00	3.28	-9.00
U_A	1	Episode Day 2, 2013	18	CO (PPM)	1.35	-9.00	1.35	-9.00
U_A	1	Episode Day 2, 2013	19	CO (PPM)	0.46	-9.00	0.46	-9.00
U_A	1	Episode Day 2, 2013	20	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2013	21	CO (PPM)	0.32	-9.00	0.32	-9.00
U_A	1	Episode Day 2, 2013	22	CO (PPM)	0.29	-9.00	0.29	-9.00
U_A	1	Episode Day 2, 2013	23	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2013	0	CO (PPM)	0.27	-9.00	0.27	-9.00
U_A	1	Episode Day 3, 2013	1	CO (PPM)	0.26	-9.00	0.26	-9.00
U_A	1	Episode Day 3, 2013	2	CO (PPM)	0.23	-9.00	0.23	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	1	Episode Day 3, 2013	3	CO (PPM)	0.22	-9.00	0.22	-9.00
U_A	1	Episode Day 3, 2013	4	CO (PPM)	0.23	-9.00	0.23	-9.00
U_A	1	Episode Day 3, 2013	5	CO (PPM)	0.25	-9.00	0.25	-9.00
U_A	1	Episode Day 3, 2013	6	CO (PPM)	0.34	-9.00	0.34	-9.00
U_A	1	Episode Day 3, 2013	7	CO (PPM)	0.96	-9.00	0.96	-9.00
U_A	1	Episode Day 3, 2013	8	CO (PPM)	0.59	-9.00	0.59	-9.00
U_A	1	Episode Day 3, 2013	9	CO (PPM)	0.63	-9.00	0.63	-9.00
U_A	1	Episode Day 3, 2013	10	CO (PPM)	0.56	-9.00	0.56	-9.00
U_A	1	Episode Day 3, 2013	11	CO (PPM)	0.45	-9.00	0.45	-9.00
U_A	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
U_A	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	0	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	1	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	2	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	3	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	4	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	5	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	6	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	7	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	8	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	9	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	10	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	11	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 1, 2013	22	CO (PPM)	0.71	-9.00	0.71	-9.00
P_I	1	Episode Day 1, 2013	23	CO (PPM)	0.62	-9.00	0.62	-9.00
P_I	1	Episode Day 2, 2013	0	CO (PPM)	0.45	-9.00	0.45	-9.00
P_I	1	Episode Day 2, 2013	1	CO (PPM)	0.35	-9.00	0.35	-9.00
P_I	1	Episode Day 2, 2013	2	CO (PPM)	0.30	-9.00	0.30	-9.00
P_I	1	Episode Day 2, 2013	3	CO (PPM)	0.29	-9.00	0.29	-9.00
P_I	1	Episode Day 2, 2013	4	CO (PPM)	0.31	-9.00	0.31	-9.00
P_I	1	Episode Day 2, 2013	5	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 2, 2013	6	CO (PPM)	0.59	-9.00	0.59	-9.00
P_I	1	Episode Day 2, 2013	7	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 2, 2013	8	CO (PPM)	0.80	-9.00	0.80	-9.00
P_I	1	Episode Day 2, 2013	9	CO (PPM)	0.42	-9.00	0.42	-9.00
P_I	1	Episode Day 2, 2013	10	CO (PPM)	0.34	-9.00	0.34	-9.00
P_I	1	Episode Day 2, 2013	11	CO (PPM)	0.38	-9.00	0.38	-9.00
P_I	1	Episode Day 2, 2013	12	CO (PPM)	0.50	-9.00	0.50	-9.00
P_I	1	Episode Day 2, 2013	13	CO (PPM)	0.56	-9.00	0.56	-9.00
P_I	1	Episode Day 2, 2013	14	CO (PPM)	0.78	-9.00	0.78	-9.00
P_I	1	Episode Day 2, 2013	15	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 2, 2013	16	CO (PPM)	3.05	-9.00	3.05	-9.00
P_I	1	Episode Day 2, 2013	17	CO (PPM)	4.86	-9.00	4.86	-9.00
P_I	1	Episode Day 2, 2013	18	CO (PPM)	5.98	-9.00	5.98	-9.00
P_I	1	Episode Day 2, 2013	19	CO (PPM)	3.07	-9.00	3.07	-9.00
P_I	1	Episode Day 2, 2013	20	CO (PPM)	1.04	-9.00	1.04	-9.00
P_I	1	Episode Day 2, 2013	21	CO (PPM)	0.70	-9.00	0.70	-9.00
P_I	1	Episode Day 2, 2013	22	CO (PPM)	0.67	-9.00	0.67	-9.00
P_I	1	Episode Day 2, 2013	23	CO (PPM)	0.48	-9.00	0.48	-9.00
P_I	1	Episode Day 3, 2013	0	CO (PPM)	0.40	-9.00	0.40	-9.00
P_I	1	Episode Day 3, 2013	1	CO (PPM)	0.36	-9.00	0.36	-9.00
P_I	1	Episode Day 3, 2013	2	CO (PPM)	0.28	-9.00	0.28	-9.00
P_I	1	Episode Day 3, 2013	3	CO (PPM)	0.26	-9.00	0.26	-9.00
P_I	1	Episode Day 3, 2013	4	CO (PPM)	0.27	-9.00	0.27	-9.00
P_I	1	Episode Day 3, 2013	5	CO (PPM)	0.31	-9.00	0.31	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	1	Episode Day 3, 2013	6	CO (PPM)	0.53	-9.00	0.53	-9.00
P_I	1	Episode Day 3, 2013	7	CO (PPM)	1.28	-9.00	1.28	-9.00
P_I	1	Episode Day 3, 2013	8	CO (PPM)	0.73	-9.00	0.73	-9.00
P_I	1	Episode Day 3, 2013	9	CO (PPM)	0.72	-9.00	0.72	-9.00
P_I	1	Episode Day 3, 2013	10	CO (PPM)	0.64	-9.00	0.64	-9.00
P_I	1	Episode Day 3, 2013	11	CO (PPM)	0.52	-9.00	0.52	-9.00
P_I	1	Episode Day 3, 2013	12	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	13	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	14	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	15	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	16	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	17	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	18	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	19	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	20	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	21	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	22	CO (PPM)	-9.00	-9.00	-9.00	-9.00
P_I	1	Episode Day 3, 2013	23	CO (PPM)	-9.00	-9.00	-9.00	-9.00
CMP	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
CMP	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.04
CMP	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	1.90
CMP	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	1.84
CMP	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.81
CMP	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.70
CMP	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.59
CMP	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.56
CMP	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.57
CMP	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.74
CMP	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	2.36
CMP	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	3.15
CMP	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	4.06
CMP	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	3.96
CMP	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	3.91
CMP	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	3.84
CMP	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	3.69
CMP	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	3.08
CMP	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	2.23
CMP	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	1.38
CMP	8	Episode Day 2, 2013	3	CO (PPM)	1.45	NA	1.45	0.93
CMP	8	Episode Day 2, 2013	4	CO (PPM)	1.36	NA	1.36	0.76
CMP	8	Episode Day 2, 2013	5	CO (PPM)	1.28	NA	1.28	0.65
CMP	8	Episode Day 2, 2013	6	CO (PPM)	1.24	NA	1.24	0.63
CMP	8	Episode Day 2, 2013	7	CO (PPM)	1.38	NA	1.38	0.94
CMP	8	Episode Day 2, 2013	8	CO (PPM)	1.31	NA	1.31	1.43
CMP	8	Episode Day 2, 2013	9	CO (PPM)	1.23	NA	1.23	1.69
CMP	8	Episode Day 2, 2013	10	CO (PPM)	1.24	NA	1.24	2.05
CMP	8	Episode Day 2, 2013	11	CO (PPM)	1.30	NA	1.30	2.61
CMP	8	Episode Day 2, 2013	12	CO (PPM)	1.37	NA	1.37	3.11
CMP	8	Episode Day 2, 2013	13	CO (PPM)	1.46	NA	1.46	3.61
CMP	8	Episode Day 2, 2013	14	CO (PPM)	1.57	NA	1.57	4.08
CMP	8	Episode Day 2, 2013	15	CO (PPM)	1.59	NA	1.59	4.44
CMP	8	Episode Day 2, 2013	16	CO (PPM)	2.48	NA	2.48	9.39
CMP	8	Episode Day 2, 2013	17	CO (PPM)	4.07	NA	4.07	15.34
CMP	8	Episode Day 2, 2013	18	CO (PPM)	5.78	NA	5.78	18.73
CMP	8	Episode Day 2, 2013	19	CO (PPM)	7.02	NA	7.02	18.65
CMP	8	Episode Day 2, 2013	20	CO (PPM)	7.42	NA	7.42	18.41
CMP	8	Episode Day 2, 2013	21	CO (PPM)	7.67	NA	7.67	18.16
CMP	8	Episode Day 2, 2013	22	CO (PPM)	7.88	NA	7.88	18.08
CMP	8	Episode Day 2, 2013	23	CO (PPM)	7.92	NA	7.92	17.70
CMP	8	Episode Day 3, 2013	0	CO (PPM)	7.11	NA	7.11	12.64
CMP	8	Episode Day 3, 2013	1	CO (PPM)	5.58	NA	5.58	6.65
CMP	8	Episode Day 3, 2013	2	CO (PPM)	3.88	NA	3.88	3.04
CMP	8	Episode Day 3, 2013	3	CO (PPM)	2.56	NA	2.56	2.65
CMP	8	Episode Day 3, 2013	4	CO (PPM)	2.07	NA	2.07	2.53
CMP	8	Episode Day 3, 2013	5	CO (PPM)	1.78	NA	1.78	2.54
CMP	8	Episode Day 3, 2013	6	CO (PPM)	1.61	NA	1.61	2.70

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
CMP	8	Episode Day 3, 2013	7	CO (PPM)	1.78	NA	1.78	3.36
CMP	8	Episode Day 3, 2013	8	CO (PPM)	1.81	NA	1.81	4.14
CMP	8	Episode Day 3, 2013	9	CO (PPM)	1.91	NA	1.91	4.71
CMP	8	Episode Day 3, 2013	10	CO (PPM)	2.05	NA	2.05	5.21
CMP	8	Episode Day 3, 2013	11	CO (PPM)	2.16	NA	2.16	5.56
CMP	8	Episode Day 3, 2013	12	CO (PPM)	2.38	NA	2.38	5.74
CMP	8	Episode Day 3, 2013	13	CO (PPM)	2.57	NA	2.57	5.69
CMP	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	5.35
CMP	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	4.64
CMP	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	4.56
CMP	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	5.28
CMP	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	5.30
CMP	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	5.34
CMP	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	5.69
CMP	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	5.94
CMP	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	6.00
CMP	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	6.11
WBY	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
WBY	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	2.14
WBY	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.48
WBY	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.23
WBY	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.16
WBY	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	0.85
WBY	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	0.75
WBY	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.14
WBY	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.69
WBY	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.94
WBY	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	2.41
WBY	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	2.61
WBY	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	2.76
WBY	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	2.95
WBY	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	3.39
WBY	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	3.28
WBY	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	2.88
WBY	8	Episode Day 2, 2013	3	CO (PPM)	1.32	NA	1.32	2.70
WBY	8	Episode Day 2, 2013	4	CO (PPM)	1.26	NA	1.26	2.30
WBY	8	Episode Day 2, 2013	5	CO (PPM)	1.21	NA	1.21	2.21
WBY	8	Episode Day 2, 2013	6	CO (PPM)	1.19	NA	1.19	2.24
WBY	8	Episode Day 2, 2013	7	CO (PPM)	1.21	NA	1.21	2.71
WBY	8	Episode Day 2, 2013	8	CO (PPM)	1.14	NA	1.14	3.04
WBY	8	Episode Day 2, 2013	9	CO (PPM)	1.08	NA	1.08	3.22
WBY	8	Episode Day 2, 2013	10	CO (PPM)	1.05	NA	1.05	3.26
WBY	8	Episode Day 2, 2013	11	CO (PPM)	1.02	NA	1.02	3.24
WBY	8	Episode Day 2, 2013	12	CO (PPM)	1.00	NA	1.00	3.17
WBY	8	Episode Day 2, 2013	13	CO (PPM)	0.97	NA	0.97	3.11
WBY	8	Episode Day 2, 2013	14	CO (PPM)	0.93	NA	0.93	3.02
WBY	8	Episode Day 2, 2013	15	CO (PPM)	0.84	NA	0.84	2.46
WBY	8	Episode Day 2, 2013	16	CO (PPM)	0.91	NA	0.91	1.92
WBY	8	Episode Day 2, 2013	17	CO (PPM)	1.12	NA	1.12	2.50
WBY	8	Episode Day 2, 2013	18	CO (PPM)	1.44	NA	1.44	3.86
WBY	8	Episode Day 2, 2013	19	CO (PPM)	1.67	NA	1.67	4.86
WBY	8	Episode Day 2, 2013	20	CO (PPM)	2.04	NA	2.04	5.71
WBY	8	Episode Day 2, 2013	21	CO (PPM)	2.60	NA	2.60	6.39
WBY	8	Episode Day 2, 2013	22	CO (PPM)	3.17	NA	3.17	7.17
WBY	8	Episode Day 2, 2013	23	CO (PPM)	3.72	NA	3.72	8.09
WBY	8	Episode Day 3, 2013	0	CO (PPM)	4.08	NA	4.08	8.94
WBY	8	Episode Day 3, 2013	1	CO (PPM)	4.09	NA	4.09	8.66
WBY	8	Episode Day 3, 2013	2	CO (PPM)	3.80	NA	3.80	7.36
WBY	8	Episode Day 3, 2013	3	CO (PPM)	3.56	NA	3.56	6.40
WBY	8	Episode Day 3, 2013	4	CO (PPM)	3.17	NA	3.17	5.64
WBY	8	Episode Day 3, 2013	5	CO (PPM)	2.62	NA	2.62	5.06
WBY	8	Episode Day 3, 2013	6	CO (PPM)	2.08	NA	2.08	4.50
WBY	8	Episode Day 3, 2013	7	CO (PPM)	1.56	NA	1.56	3.79
WBY	8	Episode Day 3, 2013	8	CO (PPM)	1.13	NA	1.13	2.99
WBY	8	Episode Day 3, 2013	9	CO (PPM)	0.94	NA	0.94	2.46

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
WBY	8	Episode Day 3, 2013	10	CO (PPM)	0.92	NA	0.92	2.41
WBY	8	Episode Day 3, 2013	11	CO (PPM)	0.93	NA	0.93	2.26
WBY	8	Episode Day 3, 2013	12	CO (PPM)	0.97	NA	0.97	2.09
WBY	8	Episode Day 3, 2013	13	CO (PPM)	1.02	NA	1.02	1.89
WBY	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.53
WBY	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.17
WBY	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.13
WBY	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	0.88
WBY	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	0.70
WBY	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.01
WBY	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	1.73
WBY	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	2.44
WBY	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	3.08
WBY	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	3.59
CRG	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
CRG	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.91
CRG	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	2.54
CRG	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	2.14
CRG	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.85
CRG	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.55
CRG	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.51
CRG	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.45
CRG	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.10
CRG	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.19
CRG	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.86
CRG	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.77
CRG	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	4.16
CRG	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	4.51
CRG	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	4.94
CRG	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	5.37
CRG	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	5.11
CRG	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	5.28
CRG	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	5.14
CRG	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	4.58
CRG	8	Episode Day 2, 2013	3	CO (PPM)	1.72	NA	1.72	3.54
CRG	8	Episode Day 2, 2013	4	CO (PPM)	1.56	NA	1.56	3.43
CRG	8	Episode Day 2, 2013	5	CO (PPM)	1.44	NA	1.44	3.34
CRG	8	Episode Day 2, 2013	6	CO (PPM)	1.34	NA	1.34	3.63
CRG	8	Episode Day 2, 2013	7	CO (PPM)	1.31	NA	1.31	4.48
CRG	8	Episode Day 2, 2013	8	CO (PPM)	1.16	NA	1.16	5.33
CRG	8	Episode Day 2, 2013	9	CO (PPM)	0.99	NA	0.99	5.21
CRG	8	Episode Day 2, 2013	10	CO (PPM)	0.91	NA	0.91	5.01
CRG	8	Episode Day 2, 2013	11	CO (PPM)	0.92	NA	0.92	4.85
CRG	8	Episode Day 2, 2013	12	CO (PPM)	0.98	NA	0.98	4.71
CRG	8	Episode Day 2, 2013	13	CO (PPM)	1.05	NA	1.05	4.54
CRG	8	Episode Day 2, 2013	14	CO (PPM)	1.12	NA	1.12	4.01
CRG	8	Episode Day 2, 2013	15	CO (PPM)	1.12	NA	1.12	2.85
CRG	8	Episode Day 2, 2013	16	CO (PPM)	1.48	NA	1.48	2.34
CRG	8	Episode Day 2, 2013	17	CO (PPM)	1.99	NA	1.99	3.03
CRG	8	Episode Day 2, 2013	18	CO (PPM)	2.56	NA	2.56	4.50
CRG	8	Episode Day 2, 2013	19	CO (PPM)	3.10	NA	3.10	6.39
CRG	8	Episode Day 2, 2013	20	CO (PPM)	3.50	NA	3.50	7.80
CRG	8	Episode Day 2, 2013	21	CO (PPM)	3.77	NA	3.77	8.52
CRG	8	Episode Day 2, 2013	22	CO (PPM)	3.93	NA	3.93	8.94
CRG	8	Episode Day 2, 2013	23	CO (PPM)	3.95	NA	3.95	9.91
CRG	8	Episode Day 3, 2013	0	CO (PPM)	3.67	NA	3.67	10.38
CRG	8	Episode Day 3, 2013	1	CO (PPM)	3.23	NA	3.23	9.73
CRG	8	Episode Day 3, 2013	2	CO (PPM)	2.71	NA	2.71	8.69
CRG	8	Episode Day 3, 2013	3	CO (PPM)	2.16	NA	2.16	7.14
CRG	8	Episode Day 3, 2013	4	CO (PPM)	1.69	NA	1.69	5.78
CRG	8	Episode Day 3, 2013	5	CO (PPM)	1.36	NA	1.36	5.26
CRG	8	Episode Day 3, 2013	6	CO (PPM)	1.21	NA	1.21	5.04
CRG	8	Episode Day 3, 2013	7	CO (PPM)	1.31	NA	1.31	4.73
CRG	8	Episode Day 3, 2013	8	CO (PPM)	1.27	NA	1.27	4.10
CRG	8	Episode Day 3, 2013	9	CO (PPM)	1.24	NA	1.24	4.08
CRG	8	Episode Day 3, 2013	10	CO (PPM)	1.22	NA	1.22	3.59
CRG	8	Episode Day 3, 2013	11	CO (PPM)	1.23	NA	1.23	3.54
CRG	8	Episode Day 3, 2013	12	CO (PPM)	1.33	NA	1.33	3.37

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
CRG	8	Episode Day 3, 2013	13	CO (PPM)	1.43	NA	1.43	3.00
CRG	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	2.60
CRG	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.74
CRG	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.30
CRG	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.71
CRG	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.86
CRG	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	4.05
CRG	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	5.23
CRG	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	6.16
CRG	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	7.05
CRG	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	8.00
NJH	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
NJH	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.08
NJH	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	2.04
NJH	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	2.13
NJH	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	2.25
NJH	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	2.10
NJH	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.98
NJH	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.74
NJH	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.49
NJH	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.60
NJH	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	2.43
NJH	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.66
NJH	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	2.85
NJH	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	3.08
NJH	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	3.28
NJH	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	3.58
NJH	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	3.50
NJH	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	2.56
NJH	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	2.21
NJH	8	Episode Day 2, 2013	3	CO (PPM)	0.88	NA	0.88	1.96
NJH	8	Episode Day 2, 2013	4	CO (PPM)	0.82	NA	0.82	1.73
NJH	8	Episode Day 2, 2013	5	CO (PPM)	0.78	NA	0.78	1.60
NJH	8	Episode Day 2, 2013	6	CO (PPM)	0.73	NA	0.73	1.71
NJH	8	Episode Day 2, 2013	7	CO (PPM)	0.80	NA	0.80	2.26
NJH	8	Episode Day 2, 2013	8	CO (PPM)	0.82	NA	0.82	2.74
NJH	8	Episode Day 2, 2013	9	CO (PPM)	0.85	NA	0.85	2.97
NJH	8	Episode Day 2, 2013	10	CO (PPM)	0.86	NA	0.86	3.17
NJH	8	Episode Day 2, 2013	11	CO (PPM)	0.89	NA	0.89	3.29
NJH	8	Episode Day 2, 2013	12	CO (PPM)	0.91	NA	0.91	3.42
NJH	8	Episode Day 2, 2013	13	CO (PPM)	0.94	NA	0.94	3.56
NJH	8	Episode Day 2, 2013	14	CO (PPM)	0.99	NA	0.99	3.55
NJH	8	Episode Day 2, 2013	15	CO (PPM)	0.97	NA	0.97	3.32
NJH	8	Episode Day 2, 2013	16	CO (PPM)	1.25	NA	1.25	5.03
NJH	8	Episode Day 2, 2013	17	CO (PPM)	1.70	NA	1.70	7.49
NJH	8	Episode Day 2, 2013	18	CO (PPM)	2.29	NA	2.29	9.60
NJH	8	Episode Day 2, 2013	19	CO (PPM)	3.00	NA	3.00	10.43
NJH	8	Episode Day 2, 2013	20	CO (PPM)	3.25	NA	3.25	10.95
NJH	8	Episode Day 2, 2013	21	CO (PPM)	3.33	NA	3.33	11.16
NJH	8	Episode Day 2, 2013	22	CO (PPM)	3.36	NA	3.36	11.27
NJH	8	Episode Day 2, 2013	23	CO (PPM)	3.28	NA	3.28	11.10
NJH	8	Episode Day 3, 2013	0	CO (PPM)	2.95	NA	2.95	8.92
NJH	8	Episode Day 3, 2013	1	CO (PPM)	2.45	NA	2.45	6.21
NJH	8	Episode Day 3, 2013	2	CO (PPM)	1.85	NA	1.85	3.91
NJH	8	Episode Day 3, 2013	3	CO (PPM)	1.10	NA	1.10	2.94
NJH	8	Episode Day 3, 2013	4	CO (PPM)	0.81	NA	0.81	2.25
NJH	8	Episode Day 3, 2013	5	CO (PPM)	0.70	NA	0.70	1.90
NJH	8	Episode Day 3, 2013	6	CO (PPM)	0.62	NA	0.62	1.75
NJH	8	Episode Day 3, 2013	7	CO (PPM)	0.73	NA	0.73	2.22
NJH	8	Episode Day 3, 2013	8	CO (PPM)	0.79	NA	0.79	2.65
NJH	8	Episode Day 3, 2013	9	CO (PPM)	0.84	NA	0.84	3.11
NJH	8	Episode Day 3, 2013	10	CO (PPM)	0.89	NA	0.89	3.40
NJH	8	Episode Day 3, 2013	11	CO (PPM)	0.95	NA	0.95	3.46
NJH	8	Episode Day 3, 2013	12	CO (PPM)	1.03	NA	1.03	3.51
NJH	8	Episode Day 3, 2013	13	CO (PPM)	1.12	NA	1.12	3.79
NJH	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	3.46
NJH	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	2.57

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
NJH	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	2.39
NJH	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	2.63
NJH	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.84
NJH	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	3.64
NJH	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	4.27
NJH	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	4.24
NJH	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	4.61
NJH	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	4.81
TIV	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
TIV	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 2, 2013	3	CO (PPM)	1.41	NA	1.41	-9.00
TIV	8	Episode Day 2, 2013	4	CO (PPM)	1.30	NA	1.30	-9.00
TIV	8	Episode Day 2, 2013	5	CO (PPM)	1.23	NA	1.23	-9.00
TIV	8	Episode Day 2, 2013	6	CO (PPM)	1.16	NA	1.16	-9.00
TIV	8	Episode Day 2, 2013	7	CO (PPM)	1.27	NA	1.27	-9.00
TIV	8	Episode Day 2, 2013	8	CO (PPM)	1.18	NA	1.18	-9.00
TIV	8	Episode Day 2, 2013	9	CO (PPM)	1.09	NA	1.09	-9.00
TIV	8	Episode Day 2, 2013	10	CO (PPM)	1.09	NA	1.09	-9.00
TIV	8	Episode Day 2, 2013	11	CO (PPM)	1.15	NA	1.15	-9.00
TIV	8	Episode Day 2, 2013	12	CO (PPM)	1.26	NA	1.26	-9.00
TIV	8	Episode Day 2, 2013	13	CO (PPM)	1.38	NA	1.38	-9.00
TIV	8	Episode Day 2, 2013	14	CO (PPM)	1.50	NA	1.50	-9.00
TIV	8	Episode Day 2, 2013	15	CO (PPM)	1.53	NA	1.53	-9.00
TIV	8	Episode Day 2, 2013	16	CO (PPM)	2.47	NA	2.47	-9.00
TIV	8	Episode Day 2, 2013	17	CO (PPM)	4.13	NA	4.13	-9.00
TIV	8	Episode Day 2, 2013	18	CO (PPM)	5.82	NA	5.82	-9.00
TIV	8	Episode Day 2, 2013	19	CO (PPM)	6.72	NA	6.72	-9.00
TIV	8	Episode Day 2, 2013	20	CO (PPM)	7.01	NA	7.01	-9.00
TIV	8	Episode Day 2, 2013	21	CO (PPM)	7.18	NA	7.18	-9.00
TIV	8	Episode Day 2, 2013	22	CO (PPM)	7.30	NA	7.30	-9.00
TIV	8	Episode Day 2, 2013	23	CO (PPM)	7.28	NA	7.28	-9.00
TIV	8	Episode Day 3, 2013	0	CO (PPM)	6.42	NA	6.42	-9.00
TIV	8	Episode Day 3, 2013	1	CO (PPM)	4.82	NA	4.82	-9.00
TIV	8	Episode Day 3, 2013	2	CO (PPM)	3.15	NA	3.15	-9.00
TIV	8	Episode Day 3, 2013	3	CO (PPM)	2.18	NA	2.18	-9.00
TIV	8	Episode Day 3, 2013	4	CO (PPM)	1.78	NA	1.78	-9.00
TIV	8	Episode Day 3, 2013	5	CO (PPM)	1.54	NA	1.54	-9.00
TIV	8	Episode Day 3, 2013	6	CO (PPM)	1.48	NA	1.48	-9.00
TIV	8	Episode Day 3, 2013	7	CO (PPM)	1.77	NA	1.77	-9.00
TIV	8	Episode Day 3, 2013	8	CO (PPM)	1.85	NA	1.85	-9.00
TIV	8	Episode Day 3, 2013	9	CO (PPM)	1.94	NA	1.94	-9.00
TIV	8	Episode Day 3, 2013	10	CO (PPM)	2.00	NA	2.00	-9.00
TIV	8	Episode Day 3, 2013	11	CO (PPM)	2.07	NA	2.07	-9.00
TIV	8	Episode Day 3, 2013	12	CO (PPM)	2.28	NA	2.28	-9.00
TIV	8	Episode Day 3, 2013	13	CO (PPM)	2.46	NA	2.46	-9.00
TIV	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
TIV	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
TIV	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
ICMP	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 2, 2013	3	CO (PPM)	1.45	NA	1.45	-9.00
ICMP	8	Episode Day 2, 2013	4	CO (PPM)	1.36	NA	1.36	-9.00
ICMP	8	Episode Day 2, 2013	5	CO (PPM)	1.28	NA	1.28	-9.00
ICMP	8	Episode Day 2, 2013	6	CO (PPM)	1.24	NA	1.24	-9.00
ICMP	8	Episode Day 2, 2013	7	CO (PPM)	1.38	NA	1.38	-9.00
ICMP	8	Episode Day 2, 2013	8	CO (PPM)	1.31	NA	1.31	-9.00
ICMP	8	Episode Day 2, 2013	9	CO (PPM)	1.23	NA	1.23	-9.00
ICMP	8	Episode Day 2, 2013	10	CO (PPM)	1.24	NA	1.24	-9.00
ICMP	8	Episode Day 2, 2013	11	CO (PPM)	1.30	NA	1.30	-9.00
ICMP	8	Episode Day 2, 2013	12	CO (PPM)	1.37	NA	1.37	-9.00
ICMP	8	Episode Day 2, 2013	13	CO (PPM)	1.46	NA	1.46	-9.00
ICMP	8	Episode Day 2, 2013	14	CO (PPM)	1.57	NA	1.80	-9.00
ICMP	8	Episode Day 2, 2013	15	CO (PPM)	1.59	NA	1.99	-9.00
ICMP	8	Episode Day 2, 2013	16	CO (PPM)	2.48	NA	3.25	-9.00
ICMP	8	Episode Day 2, 2013	17	CO (PPM)	4.07	NA	5.10	-9.00
ICMP	8	Episode Day 2, 2013	18	CO (PPM)	5.78	NA	6.95	-9.00
ICMP	8	Episode Day 2, 2013	19	CO (PPM)	7.02	NA	8.23	-9.00
ICMP	8	Episode Day 2, 2013	20	CO (PPM)	7.42	NA	8.67	-9.00
ICMP	8	Episode Day 2, 2013	21	CO (PPM)	7.67	NA	8.92	-9.00
ICMP	8	Episode Day 2, 2013	22	CO (PPM)	7.88	NA	8.96	-9.00
ICMP	8	Episode Day 2, 2013	23	CO (PPM)	7.92	NA	8.84	-9.00
ICMP	8	Episode Day 3, 2013	0	CO (PPM)	7.11	NA	7.67	-9.00
ICMP	8	Episode Day 3, 2013	1	CO (PPM)	5.58	NA	5.88	-9.00
ICMP	8	Episode Day 3, 2013	2	CO (PPM)	3.88	NA	4.04	-9.00
ICMP	8	Episode Day 3, 2013	3	CO (PPM)	2.56	NA	2.68	-9.00
ICMP	8	Episode Day 3, 2013	4	CO (PPM)	2.07	NA	2.14	-9.00
ICMP	8	Episode Day 3, 2013	5	CO (PPM)	1.78	NA	1.86	-9.00
ICMP	8	Episode Day 3, 2013	6	CO (PPM)	1.61	NA	1.62	-9.00
ICMP	8	Episode Day 3, 2013	7	CO (PPM)	1.78	NA	1.78	-9.00
ICMP	8	Episode Day 3, 2013	8	CO (PPM)	1.81	NA	1.81	-9.00
ICMP	8	Episode Day 3, 2013	9	CO (PPM)	1.91	NA	1.91	-9.00
ICMP	8	Episode Day 3, 2013	10	CO (PPM)	2.05	NA	2.05	-9.00
ICMP	8	Episode Day 3, 2013	11	CO (PPM)	2.16	NA	2.16	-9.00
ICMP	8	Episode Day 3, 2013	12	CO (PPM)	2.38	NA	2.38	-9.00
ICMP	8	Episode Day 3, 2013	13	CO (PPM)	2.57	NA	2.57	-9.00
ICMP	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
ICMP	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
ICMP	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
ENG	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
ENG	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	1.50
ENG	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	1.54
ENG	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.46
ENG	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.32
ENG	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.19
ENG	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.05
ENG	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	0.90
ENG	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	0.76
ENG	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	0.79
ENG	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.21
ENG	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.42
ENG	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.52
ENG	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	1.60
ENG	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	1.67
ENG	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	1.80
ENG	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	1.86
ENG	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	1.76
ENG	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	1.06
ENG	8	Episode Day 2, 2013	3	CO (PPM)	0.41	NA	0.41	0.96
ENG	8	Episode Day 2, 2013	4	CO (PPM)	0.39	NA	0.39	0.88
ENG	8	Episode Day 2, 2013	5	CO (PPM)	0.38	NA	0.38	0.88
ENG	8	Episode Day 2, 2013	6	CO (PPM)	0.34	NA	0.34	0.96
ENG	8	Episode Day 2, 2013	7	CO (PPM)	0.41	NA	0.41	1.40
ENG	8	Episode Day 2, 2013	8	CO (PPM)	0.44	NA	0.44	1.82
ENG	8	Episode Day 2, 2013	9	CO (PPM)	0.45	NA	0.45	1.89
ENG	8	Episode Day 2, 2013	10	CO (PPM)	0.46	NA	0.46	1.91
ENG	8	Episode Day 2, 2013	11	CO (PPM)	0.47	NA	0.47	1.94
ENG	8	Episode Day 2, 2013	12	CO (PPM)	0.49	NA	0.49	1.97
ENG	8	Episode Day 2, 2013	13	CO (PPM)	0.53	NA	0.53	1.96
ENG	8	Episode Day 2, 2013	14	CO (PPM)	0.58	NA	0.58	1.85
ENG	8	Episode Day 2, 2013	15	CO (PPM)	0.65	NA	0.65	1.63
ENG	8	Episode Day 2, 2013	16	CO (PPM)	1.05	NA	1.05	1.89
ENG	8	Episode Day 2, 2013	17	CO (PPM)	1.47	NA	1.47	2.91
ENG	8	Episode Day 2, 2013	18	CO (PPM)	1.60	NA	1.60	3.22
ENG	8	Episode Day 2, 2013	19	CO (PPM)	1.64	NA	1.64	3.38
ENG	8	Episode Day 2, 2013	20	CO (PPM)	1.64	NA	1.64	3.47
ENG	8	Episode Day 2, 2013	21	CO (PPM)	1.61	NA	1.61	3.56
ENG	8	Episode Day 2, 2013	22	CO (PPM)	1.56	NA	1.56	3.66
ENG	8	Episode Day 2, 2013	23	CO (PPM)	1.42	NA	1.42	3.50
ENG	8	Episode Day 3, 2013	0	CO (PPM)	0.99	NA	0.99	2.91
ENG	8	Episode Day 3, 2013	1	CO (PPM)	0.57	NA	0.57	1.86
ENG	8	Episode Day 3, 2013	2	CO (PPM)	0.43	NA	0.43	1.54
ENG	8	Episode Day 3, 2013	3	CO (PPM)	0.38	NA	0.38	1.36
ENG	8	Episode Day 3, 2013	4	CO (PPM)	0.35	NA	0.35	1.22
ENG	8	Episode Day 3, 2013	5	CO (PPM)	0.33	NA	0.33	1.09
ENG	8	Episode Day 3, 2013	6	CO (PPM)	0.33	NA	0.33	1.02
ENG	8	Episode Day 3, 2013	7	CO (PPM)	0.44	NA	0.44	1.26
ENG	8	Episode Day 3, 2013	8	CO (PPM)	0.46	NA	0.46	1.23
ENG	8	Episode Day 3, 2013	9	CO (PPM)	0.49	NA	0.49	1.49
ENG	8	Episode Day 3, 2013	10	CO (PPM)	0.54	NA	0.54	1.69
ENG	8	Episode Day 3, 2013	11	CO (PPM)	0.59	NA	0.59	1.70
ENG	8	Episode Day 3, 2013	12	CO (PPM)	0.64	NA	0.64	1.71
ENG	8	Episode Day 3, 2013	13	CO (PPM)	0.69	NA	0.69	1.70
ENG	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.53
ENG	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.11
ENG	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.17
ENG	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.30
ENG	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.59
ENG	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.89
ENG	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	2.07
ENG	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	2.17
ENG	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	2.24
ENG	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	2.35
BOU	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
BOU	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
BOU	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	0.68
BOU	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	0.85
BOU	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	1.19
BOU	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.43
BOU	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.39
BOU	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.28
BOU	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	0.99
BOU	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	0.83
BOU	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	0.70
BOU	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	0.61
BOU	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	0.54
BOU	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	0.46
BOU	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	0.34
BOU	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	0.21
BOU	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	0.19
BOU	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	0.16
BOU	8	Episode Day 2, 2013	3	CO (PPM)	0.39	NA	0.39	0.16
BOU	8	Episode Day 2, 2013	4	CO (PPM)	0.37	NA	0.37	0.20
BOU	8	Episode Day 2, 2013	5	CO (PPM)	0.36	NA	0.36	0.28
BOU	8	Episode Day 2, 2013	6	CO (PPM)	0.30	NA	0.30	0.40
BOU	8	Episode Day 2, 2013	7	CO (PPM)	0.35	NA	0.35	0.66
BOU	8	Episode Day 2, 2013	8	CO (PPM)	0.38	NA	0.38	0.91
BOU	8	Episode Day 2, 2013	9	CO (PPM)	0.41	NA	0.41	1.41
BOU	8	Episode Day 2, 2013	10	CO (PPM)	0.46	NA	0.46	1.76
BOU	8	Episode Day 2, 2013	11	CO (PPM)	0.51	NA	0.51	1.91
BOU	8	Episode Day 2, 2013	12	CO (PPM)	0.56	NA	0.56	2.05
BOU	8	Episode Day 2, 2013	13	CO (PPM)	0.60	NA	0.60	2.13
BOU	8	Episode Day 2, 2013	14	CO (PPM)	0.63	NA	0.63	2.13
BOU	8	Episode Day 2, 2013	15	CO (PPM)	0.71	NA	0.71	2.04
BOU	8	Episode Day 2, 2013	16	CO (PPM)	0.80	NA	0.80	2.01
BOU	8	Episode Day 2, 2013	17	CO (PPM)	0.82	NA	0.82	1.65
BOU	8	Episode Day 2, 2013	18	CO (PPM)	0.80	NA	0.80	1.42
BOU	8	Episode Day 2, 2013	19	CO (PPM)	0.78	NA	0.78	2.07
BOU	8	Episode Day 2, 2013	20	CO (PPM)	0.75	NA	0.75	2.10
BOU	8	Episode Day 2, 2013	21	CO (PPM)	0.72	NA	0.72	2.11
BOU	8	Episode Day 2, 2013	22	CO (PPM)	0.66	NA	0.66	2.06
BOU	8	Episode Day 2, 2013	23	CO (PPM)	0.51	NA	0.51	1.88
BOU	8	Episode Day 3, 2013	0	CO (PPM)	0.40	NA	0.40	1.63
BOU	8	Episode Day 3, 2013	1	CO (PPM)	0.35	NA	0.35	1.46
BOU	8	Episode Day 3, 2013	2	CO (PPM)	0.32	NA	0.32	1.32
BOU	8	Episode Day 3, 2013	3	CO (PPM)	0.28	NA	0.28	0.51
BOU	8	Episode Day 3, 2013	4	CO (PPM)	0.26	NA	0.26	0.32
BOU	8	Episode Day 3, 2013	5	CO (PPM)	0.25	NA	0.25	0.21
BOU	8	Episode Day 3, 2013	6	CO (PPM)	0.27	NA	0.27	0.21
BOU	8	Episode Day 3, 2013	7	CO (PPM)	0.35	NA	0.35	0.66
BOU	8	Episode Day 3, 2013	8	CO (PPM)	0.38	NA	0.38	0.95
BOU	8	Episode Day 3, 2013	9	CO (PPM)	0.40	NA	0.40	1.31
BOU	8	Episode Day 3, 2013	10	CO (PPM)	0.41	NA	0.41	1.40
BOU	8	Episode Day 3, 2013	11	CO (PPM)	0.42	NA	0.42	1.51
BOU	8	Episode Day 3, 2013	12	CO (PPM)	0.44	NA	0.44	1.61
BOU	8	Episode Day 3, 2013	13	CO (PPM)	0.48	NA	0.48	1.72
BOU	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.75
BOU	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.49
BOU	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.32
BOU	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.35
BOU	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	1.34
BOU	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	1.27
BOU	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	1.26
BOU	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	1.26
GRDS	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
GRDS	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
GRDS	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	3.13
GRDS	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	3.00
GRDS	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	2.75
GRDS	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	2.25
GRDS	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	2.00
GRDS	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	2.35
GRDS	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	2.04
GRDS	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	1.87
GRDS	8	Episode Day 2, 2013	3	CO (PPM)	0.46	NA	0.46	1.74
GRDS	8	Episode Day 2, 2013	4	CO (PPM)	0.43	NA	0.43	1.62
GRDS	8	Episode Day 2, 2013	5	CO (PPM)	0.41	NA	0.41	1.56
GRDS	8	Episode Day 2, 2013	6	CO (PPM)	0.32	NA	0.32	1.72
GRDS	8	Episode Day 2, 2013	7	CO (PPM)	0.40	NA	0.40	3.39
GRDS	8	Episode Day 2, 2013	8	CO (PPM)	0.44	NA	0.44	5.36
GRDS	8	Episode Day 2, 2013	9	CO (PPM)	0.48	NA	0.48	6.06
GRDS	8	Episode Day 2, 2013	10	CO (PPM)	0.55	NA	0.55	6.22
GRDS	8	Episode Day 2, 2013	11	CO (PPM)	0.61	NA	0.61	6.34
GRDS	8	Episode Day 2, 2013	12	CO (PPM)	0.66	NA	0.66	6.42
GRDS	8	Episode Day 2, 2013	13	CO (PPM)	0.69	NA	0.69	7.13
GRDS	8	Episode Day 2, 2013	14	CO (PPM)	0.72	NA	0.72	6.71
GRDS	8	Episode Day 2, 2013	15	CO (PPM)	0.77	NA	0.77	4.89
GRDS	8	Episode Day 2, 2013	16	CO (PPM)	0.90	NA	0.90	3.19
GRDS	8	Episode Day 2, 2013	17	CO (PPM)	0.93	NA	0.93	3.74
GRDS	8	Episode Day 2, 2013	18	CO (PPM)	0.91	NA	0.91	5.34
GRDS	8	Episode Day 2, 2013	19	CO (PPM)	0.90	NA	0.90	7.09
GRDS	8	Episode Day 2, 2013	20	CO (PPM)	0.88	NA	0.88	8.34
GRDS	8	Episode Day 2, 2013	21	CO (PPM)	0.85	NA	0.85	8.21
GRDS	8	Episode Day 2, 2013	22	CO (PPM)	0.79	NA	0.79	8.32
GRDS	8	Episode Day 2, 2013	23	CO (PPM)	0.63	NA	0.63	8.18
GRDS	8	Episode Day 3, 2013	0	CO (PPM)	0.47	NA	0.47	7.71
GRDS	8	Episode Day 3, 2013	1	CO (PPM)	0.40	NA	0.40	6.46
GRDS	8	Episode Day 3, 2013	2	CO (PPM)	0.35	NA	0.35	4.81
GRDS	8	Episode Day 3, 2013	3	CO (PPM)	0.30	NA	0.30	3.06
GRDS	8	Episode Day 3, 2013	4	CO (PPM)	0.28	NA	0.28	1.74
GRDS	8	Episode Day 3, 2013	5	CO (PPM)	0.26	NA	0.26	0.95
GRDS	8	Episode Day 3, 2013	6	CO (PPM)	0.27	NA	0.27	0.79
GRDS	8	Episode Day 3, 2013	7	CO (PPM)	0.37	NA	0.37	1.62
GRDS	8	Episode Day 3, 2013	8	CO (PPM)	0.40	NA	0.40	2.50
GRDS	8	Episode Day 3, 2013	9	CO (PPM)	0.43	NA	0.43	3.00
GRDS	8	Episode Day 3, 2013	10	CO (PPM)	0.44	NA	0.44	3.13
GRDS	8	Episode Day 3, 2013	11	CO (PPM)	0.45	NA	0.45	3.25
GRDS	8	Episode Day 3, 2013	12	CO (PPM)	0.48	NA	0.48	3.38
GRDS	8	Episode Day 3, 2013	13	CO (PPM)	0.52	NA	0.52	3.50
GRDS	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	3.38
GRDS	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	2.38
GRDS	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.88
GRDS	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	2.13
GRDS	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.50
GRDS	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	2.88
GRDS	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	3.88
GRDS	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	4.50
GRDS	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	4.88
GRDS	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	5.25
ARV	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
ARV	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
ARV	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	2.01
ARV	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	2.20
ARV	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	2.04
ARV	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.94
ARV	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.98
ARV	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.58
ARV	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.80
ARV	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.05
ARV	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	2.30
ARV	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	2.68
ARV	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	3.36
ARV	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	3.91
ARV	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	4.05
ARV	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	3.99
ARV	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	3.68
ARV	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	3.40
ARV	8	Episode Day 2, 2013	3	CO (PPM)	1.42	NA	1.42	3.09
ARV	8	Episode Day 2, 2013	4	CO (PPM)	1.27	NA	1.27	2.68
ARV	8	Episode Day 2, 2013	5	CO (PPM)	1.16	NA	1.16	2.09
ARV	8	Episode Day 2, 2013	6	CO (PPM)	0.87	NA	0.87	1.89
ARV	8	Episode Day 2, 2013	7	CO (PPM)	0.66	NA	0.66	2.79
ARV	8	Episode Day 2, 2013	8	CO (PPM)	0.59	NA	0.59	3.95
ARV	8	Episode Day 2, 2013	9	CO (PPM)	0.60	NA	0.60	4.61
ARV	8	Episode Day 2, 2013	10	CO (PPM)	0.58	NA	0.58	4.98
ARV	8	Episode Day 2, 2013	11	CO (PPM)	0.61	NA	0.61	5.08
ARV	8	Episode Day 2, 2013	12	CO (PPM)	0.68	NA	0.68	5.14
ARV	8	Episode Day 2, 2013	13	CO (PPM)	0.77	NA	0.77	5.11
ARV	8	Episode Day 2, 2013	14	CO (PPM)	0.86	NA	0.86	4.85
ARV	8	Episode Day 2, 2013	15	CO (PPM)	0.96	NA	0.96	3.98
ARV	8	Episode Day 2, 2013	16	CO (PPM)	1.24	NA	1.24	3.25
ARV	8	Episode Day 2, 2013	17	CO (PPM)	1.42	NA	1.42	3.21
ARV	8	Episode Day 2, 2013	18	CO (PPM)	1.45	NA	1.45	3.44
ARV	8	Episode Day 2, 2013	19	CO (PPM)	1.41	NA	1.41	3.91
ARV	8	Episode Day 2, 2013	20	CO (PPM)	1.34	NA	1.34	4.34
ARV	8	Episode Day 2, 2013	21	CO (PPM)	1.27	NA	1.27	4.65
ARV	8	Episode Day 2, 2013	22	CO (PPM)	1.17	NA	1.17	4.84
ARV	8	Episode Day 2, 2013	23	CO (PPM)	1.03	NA	1.03	4.80
ARV	8	Episode Day 3, 2013	0	CO (PPM)	0.71	NA	0.71	4.34
ARV	8	Episode Day 3, 2013	1	CO (PPM)	0.47	NA	0.47	3.70
ARV	8	Episode Day 3, 2013	2	CO (PPM)	0.39	NA	0.39	3.06
ARV	8	Episode Day 3, 2013	3	CO (PPM)	0.36	NA	0.36	2.43
ARV	8	Episode Day 3, 2013	4	CO (PPM)	0.34	NA	0.34	1.86
ARV	8	Episode Day 3, 2013	5	CO (PPM)	0.32	NA	0.32	1.49
ARV	8	Episode Day 3, 2013	6	CO (PPM)	0.34	NA	0.34	1.45
ARV	8	Episode Day 3, 2013	7	CO (PPM)	0.46	NA	0.46	2.19
ARV	8	Episode Day 3, 2013	8	CO (PPM)	0.51	NA	0.51	2.91
ARV	8	Episode Day 3, 2013	9	CO (PPM)	0.56	NA	0.56	3.33
ARV	8	Episode Day 3, 2013	10	CO (PPM)	0.62	NA	0.62	3.64
ARV	8	Episode Day 3, 2013	11	CO (PPM)	0.68	NA	0.68	3.66
ARV	8	Episode Day 3, 2013	12	CO (PPM)	0.74	NA	0.74	3.71
ARV	8	Episode Day 3, 2013	13	CO (PPM)	0.81	NA	0.81	3.70
ARV	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	3.41
ARV	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	2.39
ARV	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.69
ARV	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.83
ARV	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	2.25
ARV	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	2.72
ARV	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	3.09
ARV	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	3.46
ARV	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	3.89
ARV	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	4.01
HLD	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
HLD	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	0.75
HLD	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	0.71
HLD	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	0.66

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
HLD	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	0.57
HLD	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	0.52
HLD	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	0.37
HLD	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	0.11
HLD	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	0.14
HLD	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	0.16
HLD	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	0.19
HLD	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	0.24
HLD	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	0.26
HLD	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	0.30
HLD	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	0.31
HLD	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	0.27
HLD	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	0.25
HLD	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	0.21
HLD	8	Episode Day 2, 2013	3	CO (PPM)	0.23	NA	0.23	0.20
HLD	8	Episode Day 2, 2013	4	CO (PPM)	0.23	NA	0.23	0.19
HLD	8	Episode Day 2, 2013	5	CO (PPM)	0.23	NA	0.23	0.17
HLD	8	Episode Day 2, 2013	6	CO (PPM)	0.23	NA	0.23	0.15
HLD	8	Episode Day 2, 2013	7	CO (PPM)	0.25	NA	0.25	0.14
HLD	8	Episode Day 2, 2013	8	CO (PPM)	0.25	NA	0.25	0.11
HLD	8	Episode Day 2, 2013	9	CO (PPM)	0.26	NA	0.26	0.09
HLD	8	Episode Day 2, 2013	10	CO (PPM)	0.26	NA	0.26	0.07
HLD	8	Episode Day 2, 2013	11	CO (PPM)	0.26	NA	0.26	0.05
HLD	8	Episode Day 2, 2013	12	CO (PPM)	0.28	NA	0.28	0.04
HLD	8	Episode Day 2, 2013	13	CO (PPM)	0.31	NA	0.31	0.02
HLD	8	Episode Day 2, 2013	14	CO (PPM)	0.36	NA	0.36	0.01
HLD	8	Episode Day 2, 2013	15	CO (PPM)	0.44	NA	0.44	0.09
HLD	8	Episode Day 2, 2013	16	CO (PPM)	0.72	NA	0.72	0.59
HLD	8	Episode Day 2, 2013	17	CO (PPM)	1.10	NA	1.10	1.14
HLD	8	Episode Day 2, 2013	18	CO (PPM)	1.20	NA	1.20	1.34
HLD	8	Episode Day 2, 2013	19	CO (PPM)	1.22	NA	1.22	1.42
HLD	8	Episode Day 2, 2013	20	CO (PPM)	1.21	NA	1.21	1.49
HLD	8	Episode Day 2, 2013	21	CO (PPM)	1.18	NA	1.18	1.52
HLD	8	Episode Day 2, 2013	22	CO (PPM)	1.14	NA	1.14	1.56
HLD	8	Episode Day 2, 2013	23	CO (PPM)	1.04	NA	1.04	1.52
HLD	8	Episode Day 3, 2013	0	CO (PPM)	0.75	NA	0.75	1.07
HLD	8	Episode Day 3, 2013	1	CO (PPM)	0.38	NA	0.38	0.57
HLD	8	Episode Day 3, 2013	2	CO (PPM)	0.27	NA	0.27	0.44
HLD	8	Episode Day 3, 2013	3	CO (PPM)	0.25	NA	0.25	0.41
HLD	8	Episode Day 3, 2013	4	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2013	5	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2013	6	CO (PPM)	0.24	NA	0.24	0.40
HLD	8	Episode Day 3, 2013	7	CO (PPM)	0.32	NA	0.32	0.59
HLD	8	Episode Day 3, 2013	8	CO (PPM)	0.38	NA	0.38	0.79
HLD	8	Episode Day 3, 2013	9	CO (PPM)	0.44	NA	0.44	0.87
HLD	8	Episode Day 3, 2013	10	CO (PPM)	0.47	NA	0.47	0.81
HLD	8	Episode Day 3, 2013	11	CO (PPM)	0.49	NA	0.49	0.75
HLD	8	Episode Day 3, 2013	12	CO (PPM)	0.53	NA	0.53	0.70
HLD	8	Episode Day 3, 2013	13	CO (PPM)	0.57	NA	0.57	0.66
HLD	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	0.62
HLD	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	0.39
HLD	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	0.17
HLD	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	0.20
HLD	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	0.22
HLD	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	0.32
HLD	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	0.36
HLD	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	0.41
HLD	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	0.64
AUR	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
AUR	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
AUR	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 2, 2013	3	CO (PPM)	0.56	NA	0.56	-9.00
AUR	8	Episode Day 2, 2013	4	CO (PPM)	0.53	NA	0.53	-9.00
AUR	8	Episode Day 2, 2013	5	CO (PPM)	0.51	NA	0.51	-9.00
AUR	8	Episode Day 2, 2013	6	CO (PPM)	0.48	NA	0.48	-9.00
AUR	8	Episode Day 2, 2013	7	CO (PPM)	0.52	NA	0.52	-9.00
AUR	8	Episode Day 2, 2013	8	CO (PPM)	0.55	NA	0.55	-9.00
AUR	8	Episode Day 2, 2013	9	CO (PPM)	0.57	NA	0.57	-9.00
AUR	8	Episode Day 2, 2013	10	CO (PPM)	0.58	NA	0.58	-9.00
AUR	8	Episode Day 2, 2013	11	CO (PPM)	0.59	NA	0.59	-9.00
AUR	8	Episode Day 2, 2013	12	CO (PPM)	0.61	NA	0.61	-9.00
AUR	8	Episode Day 2, 2013	13	CO (PPM)	0.63	NA	0.63	-9.00
AUR	8	Episode Day 2, 2013	14	CO (PPM)	0.66	NA	0.66	-9.00
AUR	8	Episode Day 2, 2013	15	CO (PPM)	0.67	NA	0.67	-9.00
AUR	8	Episode Day 2, 2013	16	CO (PPM)	0.85	NA	0.85	-9.00
AUR	8	Episode Day 2, 2013	17	CO (PPM)	1.14	NA	1.14	-9.00
AUR	8	Episode Day 2, 2013	18	CO (PPM)	1.50	NA	1.50	-9.00
AUR	8	Episode Day 2, 2013	19	CO (PPM)	1.95	NA	1.95	-9.00
AUR	8	Episode Day 2, 2013	20	CO (PPM)	2.39	NA	2.39	-9.00
AUR	8	Episode Day 2, 2013	21	CO (PPM)	2.48	NA	2.48	-9.00
AUR	8	Episode Day 2, 2013	22	CO (PPM)	2.50	NA	2.50	-9.00
AUR	8	Episode Day 2, 2013	23	CO (PPM)	2.43	NA	2.43	-9.00
AUR	8	Episode Day 3, 2013	0	CO (PPM)	2.20	NA	2.20	-9.00
AUR	8	Episode Day 3, 2013	1	CO (PPM)	1.88	NA	1.88	-9.00
AUR	8	Episode Day 3, 2013	2	CO (PPM)	1.51	NA	1.51	-9.00
AUR	8	Episode Day 3, 2013	3	CO (PPM)	1.04	NA	1.04	-9.00
AUR	8	Episode Day 3, 2013	4	CO (PPM)	0.58	NA	0.58	-9.00
AUR	8	Episode Day 3, 2013	5	CO (PPM)	0.46	NA	0.46	-9.00
AUR	8	Episode Day 3, 2013	6	CO (PPM)	0.40	NA	0.40	-9.00
AUR	8	Episode Day 3, 2013	7	CO (PPM)	0.45	NA	0.45	-9.00
AUR	8	Episode Day 3, 2013	8	CO (PPM)	0.47	NA	0.47	-9.00
AUR	8	Episode Day 3, 2013	9	CO (PPM)	0.49	NA	0.49	-9.00
AUR	8	Episode Day 3, 2013	10	CO (PPM)	0.53	NA	0.53	-9.00
AUR	8	Episode Day 3, 2013	11	CO (PPM)	0.56	NA	0.56	-9.00
AUR	8	Episode Day 3, 2013	12	CO (PPM)	0.60	NA	0.60	-9.00
AUR	8	Episode Day 3, 2013	13	CO (PPM)	0.65	NA	0.65	-9.00
AUR	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
AUR	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
AURS	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
AURS	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	1.00
AURS	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	1.09
AURS	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	1.21
AURS	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	1.32
AURS	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	1.46
AURS	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	1.51
AURS	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	1.54
AURS	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	1.31
AURS	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.10

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
AURS	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.07
AURS	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.36
AURS	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	1.35
AURS	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	1.34
AURS	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	1.42
AURS	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	1.38
AURS	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	0.98
AURS	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	0.81
AURS	8	Episode Day 2, 2013	3	CO (PPM)	0.39	NA	0.39	0.69
AURS	8	Episode Day 2, 2013	4	CO (PPM)	0.37	NA	0.37	0.61
AURS	8	Episode Day 2, 2013	5	CO (PPM)	0.37	NA	0.37	0.63
AURS	8	Episode Day 2, 2013	6	CO (PPM)	0.36	NA	0.36	0.85
AURS	8	Episode Day 2, 2013	7	CO (PPM)	0.43	NA	0.43	1.23
AURS	8	Episode Day 2, 2013	8	CO (PPM)	0.46	NA	0.46	1.46
AURS	8	Episode Day 2, 2013	9	CO (PPM)	0.47	NA	0.47	1.69
AURS	8	Episode Day 2, 2013	10	CO (PPM)	0.48	NA	0.48	1.91
AURS	8	Episode Day 2, 2013	11	CO (PPM)	0.49	NA	0.49	2.21
AURS	8	Episode Day 2, 2013	12	CO (PPM)	0.51	NA	0.51	2.46
AURS	8	Episode Day 2, 2013	13	CO (PPM)	0.55	NA	0.55	2.66
AURS	8	Episode Day 2, 2013	14	CO (PPM)	0.59	NA	0.59	2.53
AURS	8	Episode Day 2, 2013	15	CO (PPM)	0.62	NA	0.62	2.36
AURS	8	Episode Day 2, 2013	16	CO (PPM)	0.98	NA	0.98	2.69
AURS	8	Episode Day 2, 2013	17	CO (PPM)	1.65	NA	1.65	3.80
AURS	8	Episode Day 2, 2013	18	CO (PPM)	2.39	NA	2.39	4.24
AURS	8	Episode Day 2, 2013	19	CO (PPM)	2.82	NA	2.82	4.28
AURS	8	Episode Day 2, 2013	20	CO (PPM)	2.88	NA	2.88	4.26
AURS	8	Episode Day 2, 2013	21	CO (PPM)	2.88	NA	2.88	4.18
AURS	8	Episode Day 2, 2013	22	CO (PPM)	2.84	NA	2.84	4.18
AURS	8	Episode Day 2, 2013	23	CO (PPM)	2.72	NA	2.72	4.01
AURS	8	Episode Day 3, 2013	0	CO (PPM)	2.33	NA	2.33	3.45
AURS	8	Episode Day 3, 2013	1	CO (PPM)	1.65	NA	1.65	2.11
AURS	8	Episode Day 3, 2013	2	CO (PPM)	0.91	NA	0.91	1.48
AURS	8	Episode Day 3, 2013	3	CO (PPM)	0.47	NA	0.47	1.16
AURS	8	Episode Day 3, 2013	4	CO (PPM)	0.38	NA	0.38	0.98
AURS	8	Episode Day 3, 2013	5	CO (PPM)	0.34	NA	0.34	0.90
AURS	8	Episode Day 3, 2013	6	CO (PPM)	0.34	NA	0.34	1.36
AURS	8	Episode Day 3, 2013	7	CO (PPM)	0.42	NA	0.42	2.06
AURS	8	Episode Day 3, 2013	8	CO (PPM)	0.44	NA	0.44	2.59
AURS	8	Episode Day 3, 2013	9	CO (PPM)	0.47	NA	0.47	2.94
AURS	8	Episode Day 3, 2013	10	CO (PPM)	0.49	NA	0.49	2.99
AURS	8	Episode Day 3, 2013	11	CO (PPM)	0.52	NA	0.52	3.04
AURS	8	Episode Day 3, 2013	12	CO (PPM)	0.56	NA	0.56	3.04
AURS	8	Episode Day 3, 2013	13	CO (PPM)	0.60	NA	0.60	2.99
AURS	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	2.41
AURS	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	1.65
AURS	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	1.25
AURS	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	1.26
AURS	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	1.64
AURS	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	1.86
AURS	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	2.15
AURS	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	2.36
AURS	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	2.45
AURS	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	2.49
PLM	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
PLM	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
PLM	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 2, 2013	3	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 2, 2013	4	CO (PPM)	0.68	NA	0.68	-9.00
PLM	8	Episode Day 2, 2013	5	CO (PPM)	0.65	NA	0.65	-9.00
PLM	8	Episode Day 2, 2013	6	CO (PPM)	0.59	NA	0.59	-9.00
PLM	8	Episode Day 2, 2013	7	CO (PPM)	0.65	NA	0.65	-9.00
PLM	8	Episode Day 2, 2013	8	CO (PPM)	0.67	NA	0.67	-9.00
PLM	8	Episode Day 2, 2013	9	CO (PPM)	0.71	NA	0.71	-9.00
PLM	8	Episode Day 2, 2013	10	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 2, 2013	11	CO (PPM)	0.74	NA	0.74	-9.00
PLM	8	Episode Day 2, 2013	12	CO (PPM)	0.77	NA	0.77	-9.00
PLM	8	Episode Day 2, 2013	13	CO (PPM)	0.79	NA	0.79	-9.00
PLM	8	Episode Day 2, 2013	14	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 2, 2013	15	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 2, 2013	16	CO (PPM)	1.09	NA	1.09	-9.00
PLM	8	Episode Day 2, 2013	17	CO (PPM)	1.49	NA	1.49	-9.00
PLM	8	Episode Day 2, 2013	18	CO (PPM)	2.01	NA	2.01	-9.00
PLM	8	Episode Day 2, 2013	19	CO (PPM)	2.68	NA	2.68	-9.00
PLM	8	Episode Day 2, 2013	20	CO (PPM)	2.86	NA	2.86	-9.00
PLM	8	Episode Day 2, 2013	21	CO (PPM)	2.90	NA	2.90	-9.00
PLM	8	Episode Day 2, 2013	22	CO (PPM)	2.92	NA	2.92	-9.00
PLM	8	Episode Day 2, 2013	23	CO (PPM)	2.83	NA	2.83	-9.00
PLM	8	Episode Day 3, 2013	0	CO (PPM)	2.51	NA	2.51	-9.00
PLM	8	Episode Day 3, 2013	1	CO (PPM)	2.06	NA	2.06	-9.00
PLM	8	Episode Day 3, 2013	2	CO (PPM)	1.53	NA	1.53	-9.00
PLM	8	Episode Day 3, 2013	3	CO (PPM)	0.83	NA	0.83	-9.00
PLM	8	Episode Day 3, 2013	4	CO (PPM)	0.62	NA	0.62	-9.00
PLM	8	Episode Day 3, 2013	5	CO (PPM)	0.54	NA	0.54	-9.00
PLM	8	Episode Day 3, 2013	6	CO (PPM)	0.47	NA	0.47	-9.00
PLM	8	Episode Day 3, 2013	7	CO (PPM)	0.56	NA	0.56	-9.00
PLM	8	Episode Day 3, 2013	8	CO (PPM)	0.60	NA	0.60	-9.00
PLM	8	Episode Day 3, 2013	9	CO (PPM)	0.63	NA	0.63	-9.00
PLM	8	Episode Day 3, 2013	10	CO (PPM)	0.67	NA	0.67	-9.00
PLM	8	Episode Day 3, 2013	11	CO (PPM)	0.73	NA	0.73	-9.00
PLM	8	Episode Day 3, 2013	12	CO (PPM)	0.79	NA	0.79	-9.00
PLM	8	Episode Day 3, 2013	13	CO (PPM)	0.86	NA	0.86	-9.00
PLM	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
PLM	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
BTN	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
BTN	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 2, 2013	3	CO (PPM)	0.41	NA	0.41	-9.00
BTN	8	Episode Day 2, 2013	4	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2013	5	CO (PPM)	0.39	NA	0.39	-9.00
BTN	8	Episode Day 2, 2013	6	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 2, 2013	7	CO (PPM)	0.42	NA	0.42	-9.00
BTN	8	Episode Day 2, 2013	8	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 2, 2013	9	CO (PPM)	0.43	NA	0.43	-9.00
BTN	8	Episode Day 2, 2013	10	CO (PPM)	0.45	NA	0.45	-9.00
BTN	8	Episode Day 2, 2013	11	CO (PPM)	0.49	NA	0.49	-9.00
BTN	8	Episode Day 2, 2013	12	CO (PPM)	0.54	NA	0.54	-9.00
BTN	8	Episode Day 2, 2013	13	CO (PPM)	0.59	NA	0.59	-9.00
BTN	8	Episode Day 2, 2013	14	CO (PPM)	0.65	NA	0.65	-9.00
BTN	8	Episode Day 2, 2013	15	CO (PPM)	0.70	NA	0.70	-9.00
BTN	8	Episode Day 2, 2013	16	CO (PPM)	0.80	NA	0.80	-9.00
BTN	8	Episode Day 2, 2013	17	CO (PPM)	0.91	NA	0.91	-9.00
BTN	8	Episode Day 2, 2013	18	CO (PPM)	1.02	NA	1.02	-9.00
BTN	8	Episode Day 2, 2013	19	CO (PPM)	1.08	NA	1.08	-9.00
BTN	8	Episode Day 2, 2013	20	CO (PPM)	1.08	NA	1.08	-9.00
BTN	8	Episode Day 2, 2013	21	CO (PPM)	1.09	NA	1.09	-9.00
BTN	8	Episode Day 2, 2013	22	CO (PPM)	1.17	NA	1.17	-9.00
BTN	8	Episode Day 2, 2013	23	CO (PPM)	1.26	NA	1.26	-9.00
BTN	8	Episode Day 3, 2013	0	CO (PPM)	1.24	NA	1.24	-9.00
BTN	8	Episode Day 3, 2013	1	CO (PPM)	1.16	NA	1.16	-9.00
BTN	8	Episode Day 3, 2013	2	CO (PPM)	1.04	NA	1.04	-9.00
BTN	8	Episode Day 3, 2013	3	CO (PPM)	0.94	NA	0.94	-9.00
BTN	8	Episode Day 3, 2013	4	CO (PPM)	0.89	NA	0.89	-9.00
BTN	8	Episode Day 3, 2013	5	CO (PPM)	0.82	NA	0.82	-9.00
BTN	8	Episode Day 3, 2013	6	CO (PPM)	0.70	NA	0.70	-9.00
BTN	8	Episode Day 3, 2013	7	CO (PPM)	0.54	NA	0.54	-9.00
BTN	8	Episode Day 3, 2013	8	CO (PPM)	0.45	NA	0.45	-9.00
BTN	8	Episode Day 3, 2013	9	CO (PPM)	0.40	NA	0.40	-9.00
BTN	8	Episode Day 3, 2013	10	CO (PPM)	0.37	NA	0.37	-9.00
BTN	8	Episode Day 3, 2013	11	CO (PPM)	0.35	NA	0.35	-9.00
BTN	8	Episode Day 3, 2013	12	CO (PPM)	0.35	NA	0.35	-9.00
BTN	8	Episode Day 3, 2013	13	CO (PPM)	0.36	NA	0.36	-9.00
BTN	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
BTN	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
U_1	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_1	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 2, 2013	3	CO (PPM)	0.74	NA	0.74	-9.00
U_1	8	Episode Day 2, 2013	4	CO (PPM)	0.70	NA	0.70	-9.00
U_1	8	Episode Day 2, 2013	5	CO (PPM)	0.67	NA	0.67	-9.00
U_1	8	Episode Day 2, 2013	6	CO (PPM)	0.62	NA	0.62	-9.00
U_1	8	Episode Day 2, 2013	7	CO (PPM)	0.71	NA	0.71	-9.00
U_1	8	Episode Day 2, 2013	8	CO (PPM)	0.76	NA	0.76	-9.00
U_1	8	Episode Day 2, 2013	9	CO (PPM)	0.79	NA	0.79	-9.00
U_1	8	Episode Day 2, 2013	10	CO (PPM)	0.79	NA	0.79	-9.00
U_1	8	Episode Day 2, 2013	11	CO (PPM)	0.81	NA	0.81	-9.00
U_1	8	Episode Day 2, 2013	12	CO (PPM)	0.85	NA	0.85	-9.00
U_1	8	Episode Day 2, 2013	13	CO (PPM)	0.91	NA	0.91	-9.00
U_1	8	Episode Day 2, 2013	14	CO (PPM)	1.01	NA	1.01	-9.00
U_1	8	Episode Day 2, 2013	15	CO (PPM)	1.04	NA	1.04	-9.00
U_1	8	Episode Day 2, 2013	16	CO (PPM)	1.52	NA	1.52	-9.00
U_1	8	Episode Day 2, 2013	17	CO (PPM)	2.50	NA	2.50	-9.00
U_1	8	Episode Day 2, 2013	18	CO (PPM)	3.52	NA	3.52	-9.00
U_1	8	Episode Day 2, 2013	19	CO (PPM)	3.79	NA	3.79	-9.00
U_1	8	Episode Day 2, 2013	20	CO (PPM)	3.84	NA	3.84	-9.00
U_1	8	Episode Day 2, 2013	21	CO (PPM)	3.85	NA	3.85	-9.00
U_1	8	Episode Day 2, 2013	22	CO (PPM)	3.78	NA	3.78	-9.00
U_1	8	Episode Day 2, 2013	23	CO (PPM)	3.62	NA	3.62	-9.00
U_1	8	Episode Day 3, 2013	0	CO (PPM)	3.08	NA	3.08	-9.00
U_1	8	Episode Day 3, 2013	1	CO (PPM)	2.07	NA	2.07	-9.00
U_1	8	Episode Day 3, 2013	2	CO (PPM)	1.05	NA	1.05	-9.00
U_1	8	Episode Day 3, 2013	3	CO (PPM)	0.75	NA	0.75	-9.00
U_1	8	Episode Day 3, 2013	4	CO (PPM)	0.65	NA	0.65	-9.00
U_1	8	Episode Day 3, 2013	5	CO (PPM)	0.58	NA	0.58	-9.00
U_1	8	Episode Day 3, 2013	6	CO (PPM)	0.56	NA	0.56	-9.00
U_1	8	Episode Day 3, 2013	7	CO (PPM)	0.75	NA	0.75	-9.00
U_1	8	Episode Day 3, 2013	8	CO (PPM)	0.85	NA	0.85	-9.00
U_1	8	Episode Day 3, 2013	9	CO (PPM)	0.91	NA	0.91	-9.00
U_1	8	Episode Day 3, 2013	10	CO (PPM)	0.97	NA	0.97	-9.00
U_1	8	Episode Day 3, 2013	11	CO (PPM)	1.03	NA	1.03	-9.00
U_1	8	Episode Day 3, 2013	12	CO (PPM)	1.13	NA	1.13	-9.00
U_1	8	Episode Day 3, 2013	13	CO (PPM)	1.24	NA	1.24	-9.00
U_1	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_1	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
F_A	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 2, 2013	3	CO (PPM)	0.51	NA	0.51	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
F_A	8	Episode Day 2, 2013	4	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 2, 2013	5	CO (PPM)	0.46	NA	0.46	-9.00
F_A	8	Episode Day 2, 2013	6	CO (PPM)	0.37	NA	0.37	-9.00
F_A	8	Episode Day 2, 2013	7	CO (PPM)	0.45	NA	0.45	-9.00
F_A	8	Episode Day 2, 2013	8	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 2, 2013	9	CO (PPM)	0.54	NA	0.54	-9.00
F_A	8	Episode Day 2, 2013	10	CO (PPM)	0.58	NA	0.58	-9.00
F_A	8	Episode Day 2, 2013	11	CO (PPM)	0.61	NA	0.61	-9.00
F_A	8	Episode Day 2, 2013	12	CO (PPM)	0.64	NA	0.64	-9.00
F_A	8	Episode Day 2, 2013	13	CO (PPM)	0.66	NA	0.66	-9.00
F_A	8	Episode Day 2, 2013	14	CO (PPM)	0.67	NA	0.67	-9.00
F_A	8	Episode Day 2, 2013	15	CO (PPM)	0.65	NA	0.65	-9.00
F_A	8	Episode Day 2, 2013	16	CO (PPM)	0.79	NA	0.79	-9.00
F_A	8	Episode Day 2, 2013	17	CO (PPM)	0.84	NA	0.84	-9.00
F_A	8	Episode Day 2, 2013	18	CO (PPM)	0.86	NA	0.86	-9.00
F_A	8	Episode Day 2, 2013	19	CO (PPM)	0.89	NA	0.89	-9.00
F_A	8	Episode Day 2, 2013	20	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2013	21	CO (PPM)	0.91	NA	0.91	-9.00
F_A	8	Episode Day 2, 2013	22	CO (PPM)	0.87	NA	0.87	-9.00
F_A	8	Episode Day 2, 2013	23	CO (PPM)	0.76	NA	0.76	-9.00
F_A	8	Episode Day 3, 2013	0	CO (PPM)	0.57	NA	0.57	-9.00
F_A	8	Episode Day 3, 2013	1	CO (PPM)	0.48	NA	0.48	-9.00
F_A	8	Episode Day 3, 2013	2	CO (PPM)	0.42	NA	0.42	-9.00
F_A	8	Episode Day 3, 2013	3	CO (PPM)	0.36	NA	0.36	-9.00
F_A	8	Episode Day 3, 2013	4	CO (PPM)	0.31	NA	0.31	-9.00
F_A	8	Episode Day 3, 2013	5	CO (PPM)	0.29	NA	0.29	-9.00
F_A	8	Episode Day 3, 2013	6	CO (PPM)	0.30	NA	0.30	-9.00
F_A	8	Episode Day 3, 2013	7	CO (PPM)	0.40	NA	0.40	-9.00
F_A	8	Episode Day 3, 2013	8	CO (PPM)	0.44	NA	0.44	-9.00
F_A	8	Episode Day 3, 2013	9	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2013	10	CO (PPM)	0.47	NA	0.47	-9.00
F_A	8	Episode Day 3, 2013	11	CO (PPM)	0.49	NA	0.49	-9.00
F_A	8	Episode Day 3, 2013	12	CO (PPM)	0.51	NA	0.51	-9.00
F_A	8	Episode Day 3, 2013	13	CO (PPM)	0.56	NA	0.56	-9.00
F_A	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
F_A	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
H_U	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 2, 2013	3	CO (PPM)	0.37	NA	0.37	-9.00
H_U	8	Episode Day 2, 2013	4	CO (PPM)	0.36	NA	0.36	-9.00
H_U	8	Episode Day 2, 2013	5	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 2, 2013	6	CO (PPM)	0.33	NA	0.33	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
H_U	8	Episode Day 2, 2013	7	CO (PPM)	0.37	NA	0.37	-9.00
H_U	8	Episode Day 2, 2013	8	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2013	9	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2013	10	CO (PPM)	0.40	NA	0.40	-9.00
H_U	8	Episode Day 2, 2013	11	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 2, 2013	12	CO (PPM)	0.42	NA	0.42	-9.00
H_U	8	Episode Day 2, 2013	13	CO (PPM)	0.46	NA	0.46	-9.00
H_U	8	Episode Day 2, 2013	14	CO (PPM)	0.53	NA	0.53	-9.00
H_U	8	Episode Day 2, 2013	15	CO (PPM)	0.67	NA	0.67	-9.00
H_U	8	Episode Day 2, 2013	16	CO (PPM)	1.12	NA	1.12	-9.00
H_U	8	Episode Day 2, 2013	17	CO (PPM)	1.63	NA	1.63	-9.00
H_U	8	Episode Day 2, 2013	18	CO (PPM)	1.81	NA	1.81	-9.00
H_U	8	Episode Day 2, 2013	19	CO (PPM)	1.87	NA	1.87	-9.00
H_U	8	Episode Day 2, 2013	20	CO (PPM)	1.87	NA	1.87	-9.00
H_U	8	Episode Day 2, 2013	21	CO (PPM)	1.85	NA	1.85	-9.00
H_U	8	Episode Day 2, 2013	22	CO (PPM)	1.78	NA	1.78	-9.00
H_U	8	Episode Day 2, 2013	23	CO (PPM)	1.59	NA	1.59	-9.00
H_U	8	Episode Day 3, 2013	0	CO (PPM)	1.12	NA	1.12	-9.00
H_U	8	Episode Day 3, 2013	1	CO (PPM)	0.61	NA	0.61	-9.00
H_U	8	Episode Day 3, 2013	2	CO (PPM)	0.42	NA	0.42	-9.00
H_U	8	Episode Day 3, 2013	3	CO (PPM)	0.35	NA	0.35	-9.00
H_U	8	Episode Day 3, 2013	4	CO (PPM)	0.33	NA	0.33	-9.00
H_U	8	Episode Day 3, 2013	5	CO (PPM)	0.32	NA	0.32	-9.00
H_U	8	Episode Day 3, 2013	6	CO (PPM)	0.32	NA	0.32	-9.00
H_U	8	Episode Day 3, 2013	7	CO (PPM)	0.41	NA	0.41	-9.00
H_U	8	Episode Day 3, 2013	8	CO (PPM)	0.43	NA	0.43	-9.00
H_U	8	Episode Day 3, 2013	9	CO (PPM)	0.46	NA	0.46	-9.00
H_U	8	Episode Day 3, 2013	10	CO (PPM)	0.51	NA	0.51	-9.00
H_U	8	Episode Day 3, 2013	11	CO (PPM)	0.55	NA	0.55	-9.00
H_U	8	Episode Day 3, 2013	12	CO (PPM)	0.59	NA	0.59	-9.00
H_U	8	Episode Day 3, 2013	13	CO (PPM)	0.64	NA	0.64	-9.00
H_U	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
H_U	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
U_A	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 2, 2013	3	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 2, 2013	4	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2013	5	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2013	6	CO (PPM)	0.24	NA	0.24	-9.00
U_A	8	Episode Day 2, 2013	7	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 2, 2013	8	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2013	9	CO (PPM)	0.28	NA	0.28	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
U_A	8	Episode Day 2, 2013	10	CO (PPM)	0.28	NA	0.28	-9.00
U_A	8	Episode Day 2, 2013	11	CO (PPM)	0.29	NA	0.29	-9.00
U_A	8	Episode Day 2, 2013	12	CO (PPM)	0.31	NA	0.31	-9.00
U_A	8	Episode Day 2, 2013	13	CO (PPM)	0.34	NA	0.34	-9.00
U_A	8	Episode Day 2, 2013	14	CO (PPM)	0.39	NA	0.39	-9.00
U_A	8	Episode Day 2, 2013	15	CO (PPM)	0.48	NA	0.48	-9.00
U_A	8	Episode Day 2, 2013	16	CO (PPM)	0.80	NA	0.80	-9.00
U_A	8	Episode Day 2, 2013	17	CO (PPM)	1.18	NA	1.18	-9.00
U_A	8	Episode Day 2, 2013	18	CO (PPM)	1.32	NA	1.32	-9.00
U_A	8	Episode Day 2, 2013	19	CO (PPM)	1.34	NA	1.34	-9.00
U_A	8	Episode Day 2, 2013	20	CO (PPM)	1.33	NA	1.33	-9.00
U_A	8	Episode Day 2, 2013	21	CO (PPM)	1.31	NA	1.31	-9.00
U_A	8	Episode Day 2, 2013	22	CO (PPM)	1.26	NA	1.26	-9.00
U_A	8	Episode Day 2, 2013	23	CO (PPM)	1.15	NA	1.15	-9.00
U_A	8	Episode Day 3, 2013	0	CO (PPM)	0.82	NA	0.82	-9.00
U_A	8	Episode Day 3, 2013	1	CO (PPM)	0.44	NA	0.44	-9.00
U_A	8	Episode Day 3, 2013	2	CO (PPM)	0.30	NA	0.30	-9.00
U_A	8	Episode Day 3, 2013	3	CO (PPM)	0.27	NA	0.27	-9.00
U_A	8	Episode Day 3, 2013	4	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2013	5	CO (PPM)	0.25	NA	0.25	-9.00
U_A	8	Episode Day 3, 2013	6	CO (PPM)	0.26	NA	0.26	-9.00
U_A	8	Episode Day 3, 2013	7	CO (PPM)	0.35	NA	0.35	-9.00
U_A	8	Episode Day 3, 2013	8	CO (PPM)	0.39	NA	0.39	-9.00
U_A	8	Episode Day 3, 2013	9	CO (PPM)	0.43	NA	0.43	-9.00
U_A	8	Episode Day 3, 2013	10	CO (PPM)	0.47	NA	0.47	-9.00
U_A	8	Episode Day 3, 2013	11	CO (PPM)	0.50	NA	0.50	-9.00
U_A	8	Episode Day 3, 2013	12	CO (PPM)	0.54	NA	0.54	-9.00
U_A	8	Episode Day 3, 2013	13	CO (PPM)	0.59	NA	0.59	-9.00
U_A	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
U_A	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	0	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	1	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	2	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	3	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	4	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	5	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	6	CO (PPM)	0.00	NA	0.00	-9.00
P_I	8	Episode Day 1, 2013	7	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	8	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	9	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	10	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	11	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	12	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	13	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 1, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2013	0	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2013	1	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2013	2	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 2, 2013	3	CO (PPM)	0.45	NA	0.45	-9.00
P_I	8	Episode Day 2, 2013	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 2, 2013	5	CO (PPM)	0.42	NA	0.42	-9.00
P_I	8	Episode Day 2, 2013	6	CO (PPM)	0.41	NA	0.41	-9.00
P_I	8	Episode Day 2, 2013	7	CO (PPM)	0.49	NA	0.49	-9.00
P_I	8	Episode Day 2, 2013	8	CO (PPM)	0.53	NA	0.53	-9.00
P_I	8	Episode Day 2, 2013	9	CO (PPM)	0.54	NA	0.54	-9.00
P_I	8	Episode Day 2, 2013	10	CO (PPM)	0.55	NA	0.55	-9.00
P_I	8	Episode Day 2, 2013	11	CO (PPM)	0.56	NA	0.56	-9.00
P_I	8	Episode Day 2, 2013	12	CO (PPM)	0.58	NA	0.58	-9.00

High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

SITE	AVG PERIOD	DATE	HR	POLLUTANT	2013 PREDICTED (UAM)	2013 PREDICTED (CAL3QHC)	2013 PREDICTED (UAM+CAL3)	1988 OBSERVED
P_I	8	Episode Day 2, 2013	13	CO (PPM)	0.61	NA	0.61	-9.00
P_I	8	Episode Day 2, 2013	14	CO (PPM)	0.63	NA	0.63	-9.00
P_I	8	Episode Day 2, 2013	15	CO (PPM)	0.63	NA	0.63	-9.00
P_I	8	Episode Day 2, 2013	16	CO (PPM)	0.91	NA	0.91	-9.00
P_I	8	Episode Day 2, 2013	17	CO (PPM)	1.47	NA	1.47	-9.00
P_I	8	Episode Day 2, 2013	18	CO (PPM)	2.17	NA	2.17	-9.00
P_I	8	Episode Day 2, 2013	19	CO (PPM)	2.51	NA	2.51	-9.00
P_I	8	Episode Day 2, 2013	20	CO (PPM)	2.58	NA	2.58	-9.00
P_I	8	Episode Day 2, 2013	21	CO (PPM)	2.59	NA	2.59	-9.00
P_I	8	Episode Day 2, 2013	22	CO (PPM)	2.58	NA	2.58	-9.00
P_I	8	Episode Day 2, 2013	23	CO (PPM)	2.48	NA	2.48	-9.00
P_I	8	Episode Day 3, 2013	0	CO (PPM)	2.15	NA	2.15	-9.00
P_I	8	Episode Day 3, 2013	1	CO (PPM)	1.59	NA	1.59	-9.00
P_I	8	Episode Day 3, 2013	2	CO (PPM)	0.87	NA	0.87	-9.00
P_I	8	Episode Day 3, 2013	3	CO (PPM)	0.52	NA	0.52	-9.00
P_I	8	Episode Day 3, 2013	4	CO (PPM)	0.43	NA	0.43	-9.00
P_I	8	Episode Day 3, 2013	5	CO (PPM)	0.38	NA	0.38	-9.00
P_I	8	Episode Day 3, 2013	6	CO (PPM)	0.36	NA	0.36	-9.00
P_I	8	Episode Day 3, 2013	7	CO (PPM)	0.46	NA	0.46	-9.00
P_I	8	Episode Day 3, 2013	8	CO (PPM)	0.50	NA	0.50	-9.00
P_I	8	Episode Day 3, 2013	9	CO (PPM)	0.55	NA	0.55	-9.00
P_I	8	Episode Day 3, 2013	10	CO (PPM)	0.59	NA	0.59	-9.00
P_I	8	Episode Day 3, 2013	11	CO (PPM)	0.62	NA	0.62	-9.00
P_I	8	Episode Day 3, 2013	12	CO (PPM)	0.68	NA	0.68	-9.00
P_I	8	Episode Day 3, 2013	13	CO (PPM)	0.74	NA	0.74	-9.00
P_I	8	Episode Day 3, 2013	14	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	15	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	16	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	17	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	18	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	19	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	20	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	21	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	22	CO (PPM)	-9.00	NA	-9.00	-9.00
P_I	8	Episode Day 3, 2013	23	CO (PPM)	-9.00	NA	-9.00	-9.00

NOTE:
NA in THIS report appears for ALL 8-hr avg CAL3QHC values since 8-hr running averages for CAL3QHC results are NOT computed; 1-hr averages for UAM and CAL3QHC are summed and then 8-hour running averages are computed.

MET A7, 09-01-99 EI, 01-11-94 PT, 09-09-99 CAL, 09-01-99 UAM
High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR 8-HR AVERAGING PERIOD:

station	max concentration 1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	18.7	43	18
WBY	8.9	49	0
CRG	10.4	49	0
NJH	11.3	47	22
TIV	0.0	0	0
ICMP	0.0	0	0
ENG	3.7	47	22
BOU	2.1	38	13
GRDS	8.3	45	20
ARV	5.1	37	12
HLD	1.6	47	22
AUR	0.0	0	0
AURS	4.3	44	19
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2013 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	7.9	48	23
WBY	4.1	50	1
CRG	4.0	48	23
NJH	3.4	47	22
TIV	7.3	47	22
ICMP	9.0	47	22 [Note: With 2 decimal places, this value is 8.96 ppm]
ENG	1.6	44	19
BOU	0.8	42	17
GRDS	0.9	42	17
ARV	1.4	43	18
HLD	1.2	44	19
AUR	2.5	47	22
AURS	2.9	45	20
PLM	2.9	47	22
BTN	1.3	48	23
U_1	3.8	46	21
F_A	0.9	45	20
H_U	1.9	45	20
U_A	1.3	44	19
P_I	2.6	46	21

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

MET A7, 09-01-99 EI, 01-11-94 PT, 09-09-99 CAL, 09-01-99 UAM
High: 2013 mob=867.2tpd;1.7;80;I/M 240 w/newest 4myr exempt;

TIME AND MAGNITUDE OF MAXIMUM CONCENTRATION
FOR 1-HR AVERAGING PERIOD:

station	max concentration (1988 observed)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	50.5	42	17
WBY	13.4	43	18
CRG	16.3	44	19
NJH	22.9	42	17
TIV	0.0	0	0
ICMP	0.0	0	0

ENG	9.4	42	17
BOU	6.5	44	19
GRDS	16.6	33	8
ARV	11.0	33	8
HLD	4.4	42	17
AUR	0.0	0	0
AURS	11.2	42	17
PLM	0.0	0	0
BTN	0.0	0	0
U_1	0.0	0	0
F_A	0.0	0	0
H_U	0.0	0	0
U_A	0.0	0	0
P_I	0.0	0	0

station	max concentration (2013 predicted)	hour of maximum (perform. stats)	hour of maximum (hour of day)
CMP	14.6	43	18
WBY	5.2	48	23
CRG	5.3	43	18
NJH	6.4	44	19
TIV	14.4	43	18
ICMP	15.9	42	17
ENG	3.8	41	16
BOU	1.5	40	15
GRDS	1.6	41	16
ARV	2.9	41	16
HLD	3.2	42	17
AUR	4.1	44	19
AURS	6.2	43	18
PLM	5.9	44	19
BTN	1.7	48	23
U_1	8.6	43	18
F_A	1.8	41	16
H_U	4.4	42	17
U_A	3.3	42	17
P_I	6.0	43	18

NOTE: The "performance statistics hour" refers to a unique hour for the entire simulation that is used to determine when the maximum concentration occurred. It is based on the system where HOUR 1 is ALWAYS the period from "midnight to 1am" on the FIRST day of the simulation; if there are three calendar days in the simulation; this hour counter increments from 1 to 72.

The "hour of day" refers to the actual hour of the day where HOUR 0 is the period from "midnight to 1am;" this hour counter increments from 0 to 23 for each day.

Appendix H – CAL3QHC Modeling

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CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221                        PAGE  1

JOB: UNIVERSITY & HAMPDEN  2013 SCREENING                 RUN: UNIVERSITY & HAMPDEN  2013

      DATE :  9/14/99
      TIME :  9:32:25

         The MODE flag has been set to C for calculating CO averages.

       SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

       LINK VARIABLES
       --------------
         LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *   X1        Y1         X2         Y2   *     (FT)  (DEG)              (G/MI)  (FT) (FT)       (VEH)
      ------------------------*----------------------------------------*----------------------------------------------------------
       1. UNIVERSITY NB APPR  *     32.0   -1000.0       32.0        .0 *    1000.   360. AG   1502.   8.0    .0 45.0
       2. UNIVERSITY NB  Q    *     32.0     -59.0       32.0   -1477.1 *    1418.   180. AG    420. 100.0    .0 25.0 1.16  72.0
       3. UNIVERSITY NB  Q LEF*      9.0     -59.0        9.0   -1574.1 *    1515.   180. AG    573. 100.0    .0 19.0 1.74  77.0
       4. UNIVERSITY NB DEP.  *     32.0        .0       32.0    1000.0 *    1000.   360. AG   1986.   8.0    .0 45.0
       5. UNIVERSITY NB FR    *     52.0   -1000.0       52.0        .0 *    1000.   360. AG    505.   8.0    .0 16.0
       6. UNIVERSITY SB APPR  *    -24.0    1000.0      -24.0        .0 *    1000.   180. AG   1600.   8.0    .0 47.0
       7. UNIVERSITY SB  Q    *    -24.0      74.0      -24.0    2674.3 *    2600.   360. AG    442. 100.0    .0 27.0 1.37 132.1
       8. UNIVERSITY SB Q LEFT*       .0      74.0         .0    1203.2 *    1129.   360. AG    297. 100.0    .0 11.0 1.86  57.4
       9. UNIVERSITY SB DEP.  *    -24.0        .0      -24.0   -1000.0 *    1000.   180. AG   2775.   8.0    .0 47.0
      10. UNIVERSITY SB FR    *    -49.0    1000.0      -49.0        .0 *    1000.   180. AG    240.   8.0    .0 22.0
      11. HAMPDEN  EB APPR.   *  -1000.0     -29.5         .0     -29.5 *    1000.    90. AG   3045.   6.8    .0 55.0
      12. HAMPDEN EB QUEUE    *    -60.0     -29.5    -3417.2     -29.5 *    3357.   270. AG    589. 100.0    .0 35.0 1.38 170.5
      13. HAMPDEN .EB DEP.    *       .0     -29.5     1000.0     -29.5 *    1000.    90. AG   3755.   6.8    .0 55.0
      14. HAMPDEN EB QUEUE LEF*    -60.0        .0    -1888.7       -.3 *    1829.   270. AG    289. 100.0    .0 12.0 2.00  92.9
      15. HAMPDEN  EB FR      *   -335.0     -53.0         .0     -53.0 *     335.    90. AG    406.   6.8    .0 12.0
      16. HAMPDEN WB APPR.    *   1000.0      43.0         .0      43.0 *    1000.   270. AG   3409.   6.8    .0 57.0
      17. HAMPDEN WB QUEUE    *     60.0      43.0     3994.5      43.0 *    3934.    90. AG    556. 100.0    .0 37.0 1.42 199.9
      18. HAMPDEN WB DEP.     *       .0      43.0    -1000.0      43.0 *    1000.   270. AG   4254.   6.8    .0 57.0
      19. HAMPDEN WB QUEUE LEF*     60.0      12.0     1980.0      12.0 *    1920.    90. AG    556. 100.0    .0 24.0 1.74  97.5
      20. HAMPDEN WB  R       *     60.0      96.0       95.0      61.0 *      49.   135. AG    168.   6.8    .0 13.0
      21. HAMPDEN WB QUEUE R  *     60.0      96.0      104.2      51.8 *      62.   135. AG    185. 100.0    .0 13.0  .21   3.2
                                                                                                                 PAGE  2
ADDITIONAL QUEUE LINK PARAMETERS
LINK DESCRIPTION     *    CYCLE     RED    CLEARANCE  APPROACH  SATURATION   IDLE    SIGNAL   ARRIVAL
                              *     LENGTH   TIME    LOST TIME     VOL     FLOW RATE  EM FAC    TYPE     RATE
                              *      (SEC)   (SEC)    (SEC)       (VPH)      (VPH)    (gm/hr)
      ------------------------*-------------------------------------------------------------------------------
       2. UNIVERSITY NB  Q    *     120       77        2.0       1502        2000     121.97       2        3
       3. UNIVERSITY NB  Q LEF*     120      105        2.0        605        1900     121.97       2        3
       7. UNIVERSITY SB  Q    *     120       81        2.0       1600        2000     121.97       2        3
       8. UNIVERSITY SB Q LEFT*     120      109        2.0        205        1900     121.97       2        3
      12. HAMPDEN EB QUEUE    *     120       72        2.0       3045        2000     121.97       1        3
      14. HAMPDEN EB QUEUE LEF*     120      106        2.0        316        1900     121.97       2        3
      17. HAMPDEN WB QUEUE    *     120       68        2.0       3409        2000     121.97       1        3
      19. HAMPDEN WB QUEUE LEF*     120      102        2.0        770        1900     121.97       2        3
      21. HAMPDEN WB QUEUE R  *     120       68        2.0        168        2000     121.97       1        3

       RECEPTOR LOCATIONS
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  *           COORDINATES (FT)           *
      RECEPTOR              *       X          Y           Z        *
 1. REC 1 (SE CORNER)    *        60.0      -59.0        6.0    *
 2. REC 2 (SW CORNER)    *       -48.0      -60.0        6.0    *
 3. REC 3 (NW CORNER)    *       -60.0       72.0        6.0    *
 4. REC 4 (NE CORNER)    *        99.0       74.0        6.0    *
 5. REC 5 (E MID-MAIN)   *        60.0     -159.0        6.0    *
 6. REC 6 (W MID-MAIN)   *       -48.0     -159.0        6.0    *
 7. REC 7 (N MID-LOCAL)  *      -170.0       74.0        6.0    *
 8. REC 8 (S MID-LOCAL)  *      -170.0      -60.0        6.0    *
 9. REC9                 *        54.0      172.0        6.0    *
10. REC10                *       -60.0      172.0        6.0    *
11. REC11                *       154.0       74.0        6.0    *
12. REC12                *       170.0      -60.0        6.0    *
13. REC13                *        99.0       84.0        6.0    *
14. REC14                *       109.0       74.0        6.0    *
15. REC15                *       109.0       84.0        6.0    *
16. REC16                *        89.0       84.0        6.0    *
  MODEL RESULTS  REMARKS : In search of the angle corresponding to
                         the maximum concentration, only the first
                                 angle, of the angles with same maximum
                         concentrations, is indicated as maximum.
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JOB: UNIVERSITY & HAMPDEN 2013 SCREENING RUN: UNIVERSITY & HAMPDEN 2013

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16
5. *	3.5	3.9	2.6	.4	2.6	3.0	.8	3.9	1.4	2.5	.1	2.7	.4	.4	.4	.6
10. *	2.9	3.7	2.9	.3	1.9	3.1	.9	3.9	.8	2.8	.1	2.6	.3	.2	.2	.3
15. *	2.7	3.5	2.9	.0	1.8	3.1	1.0	4.1	.5	2.9	.0	2.5	.0	.0	.0	.0
20. *	2.7	3.0	2.8	.0	1.4	2.8	1.1	4.3	.2	2.8	.0	2.5	.0	.0	.0	.0
25. *	2.6	2.9	2.8	.0	1.4	3.0	1.1	4.2	.1	2.8	.0	2.5	.0	.0	.0	.0
30. *	2.6	2.7	2.8	.0	1.5	3.0	1.1	4.3	.1	2.7	.0	2.6	.0	.0	.0	.0
35. *	2.8	2.9	2.5	.0	1.5	3.3	1.1	4.3	.1	2.4	.0	2.7	.0	.0	.0	.0
40. *	3.0	2.9	2.5	.0	1.5	3.6	1.2	4.3	.1	2.4	.0	2.9	.0	.0	.0	.0
45. *	3.0	3.2	2.4	.1	1.6	3.6	1.2	4.2	.1	2.3	.1	3.0	.0	.1	.0	.0
50. *	3.1	3.2	2.3	.1	1.6	4.0	1.0	4.0	.1	2.3	.1	3.0	.0	.1	.0	.0
55. *	3.3	3.3	2.2	.1	1.6	4.0	.9	4.2	.0	2.1	.1	3.2	.0	.1	.0	.0
60. *	3.4	3.7	2.2	.1	1.8	4.2	.9	4.5	.0	2.1	.1	3.4	.0	.1	.0	.0
65. *	3.6	4.2	2.1	.2	1.8	4.2	.9	4.7	.0	2.0	.2	3.4	.1	.2	.1	.1
70. *	3.7	4.6	2.2	.4	1.8	4.0	1.2	4.7	.0	2.0	.4	3.7	.2	.4	.2	.2
75. *	3.8	5.0	2.8	.9	1.7	4.0	1.5	5.3	.1	2.1	.9	3.8	.5	.9	.5	.5
80. *	3.8	5.0	3.5	1.8	1.5	3.9	2.1	4.9	.3	2.3	1.7	3.7	1.3	1.8	1.3	1.3
85. *	3.5	4.8	4.1	2.9	1.2	3.6	2.8	4.6	.7	2.7	2.9	3.2	2.1	2.9	2.1	2.1
90. *	2.8	4.4	5.0	4.0	.8	3.3	3.5	3.8	1.1	3.1	4.0	2.6	3.1	4.0	3.1	3.1
95. *	1.9	3.9	5.2	4.8	.4	2.9	3.8	3.1	1.5	3.6	4.8	1.9	3.9	4.8	3.8	3.9
100. *	1.2	3.1	5.3	5.3	.2	2.5	3.8	2.3	1.9	3.9	5.3	1.0	4.3	5.3	4.3	4.3
105. *	.6	2.6	4.8	5.3	.0	2.2	3.4	1.7	2.0	3.9	5.3	.5	4.4	5.3	4.4	4.4
110. *	.2	2.4	4.0	5.1	.0	2.2	3.2	1.2	1.9	4.0	5.0	.2	4.3	5.1	4.3	4.3
115. *	.1	2.4	3.5	4.8	.0	2.4	2.9	1.1	2.1	4.2	4.8	.1	4.1	4.8	4.1	4.1
120. *	.1	2.4	3.1	4.5	.0	2.4	2.8	1.2	2.1	4.1	4.5	.1	3.9	4.5	3.9	3.9
125. *	.1	2.5	2.7	4.2	.0	2.5	2.8	1.2	1.9	3.9	4.2	.1	3.7	4.2	3.7	3.8
130. *	.1	2.5	2.8	4.0	.0	2.5	2.8	1.1	1.9	3.7	4.0	.1	3.5	4.0	3.5	3.6
135. *	.1	2.6	2.5	4.1	.0	2.6	3.1	1.2	1.9	3.6	4.0	.1	3.5	4.0	3.5	3.7
140. *	.1	2.8	2.8	3.9	.0	2.8	3.2	1.3	1.8	3.4	3.8	.0	3.3	3.8	3.3	3.5
145. *	.0	2.8	2.7	3.7	.0	2.8	3.4	1.3	1.8	3.2	3.6	.0	3.4	3.6	3.3	3.6
150. *	.0	3.1	2.9	3.8	.0	3.1	3.5	1.3	1.8	3.3	3.6	.0	3.3	3.6	3.2	3.6
155. *	.2	3.3	3.2	3.8	.2	3.3	3.4	1.3	1.8	3.3	3.5	.0	3.1	3.5	3.0	3.5
160. *	.4	3.6	3.6	3.7	.4	3.5	3.4	1.3	1.9	3.2	3.4	.0	3.2	3.4	3.0	3.5
165. *	.7	3.6	4.1	4.0	.7	3.5	3.4	1.3	2.3	3.6	3.4	.0	3.5	3.6	3.3	3.9
170. *	1.5	3.4	4.0	4.4	1.5	3.4	3.2	1.0	2.4	3.2	3.7	.2	3.9	3.9	3.5	4.2
175. *	2.1	3.1	4.0	4.9	2.1	3.0	3.0	.6	3.2	3.2	3.9	.2	4.3	4.4	4.0	4.8
180. *	3.1	2.5	3.7	5.4	3.1	2.4	2.6	.4	3.6	2.9	4.3	.5	4.8	4.8	4.3	5.2
185. *	3.9	1.9	3.3	5.8	3.8	1.7	2.5	.2	3.6	2.3	4.6	.9	5.2	5.5	5.0	5.6
190. *	4.2	1.1	2.6	6.2	4.2	1.0	2.1	.0	3.4	1.8	4.9	1.1	5.5	5.7	5.2	5.6
195. *	4.2	.6	2.3	6.0	4.2	.6	2.1	.0	3.0	1.5	5.1	1.4	5.3	5.8	5.4	5.5
200. *	4.2	.4	2.2	5.8	4.1	.4	2.2	.0	2.5	1.3	5.0	1.5	5.0	5.5	5.1	5.1
205. *	3.8	.2	2.1	5.4	3.8	.2	2.2	.0	2.6	1.3	5.2	1.5	4.7	5.4	4.7	4.6
210. *	3.7	.1	2.3	5.0	3.7	.1	2.3	.0	2.6	1.3	5.0	1.5	4.4	5.1	4.4	4.1
215. *	3.5	.1	2.3	4.7	3.5	.1	2.3	.0	2.6	1.3	4.8	1.4	3.9	4.8	4.2	3.6
220. *	3.5	.1	2.5	4.3	3.4	.1	2.4	.0	2.6	1.3	4.6	1.4	3.6	4.6	3.8	3.5
225. *	3.3	.1	2.5	4.2	3.2	.1	2.5	.0	3.0	1.3	4.6	1.4	3.5	4.0	3.8	3.2
230. *	3.2	.1	2.7	4.0	3.2	.1	2.7	.0	3.0	1.3	4.4	1.3	3.5	4.2	3.5	3.2
235. *	3.2	.2	2.9	4.4	3.1	.1	2.8	.1	3.1	1.4	4.6	1.3	3.3	4.2	3.5	3.2
240. *	3.1	.1	2.9	4.1	3.1	.0	2.9	.1	3.1	1.4	4.6	1.3	3.4	4.1	3.3	3.4
245. *	3.0	.2	3.1	4.2	2.9	.0	3.1	.2	3.2	1.5	4.6	1.2	3.5	4.2	3.5	3.5
250. *	2.9	.4	3.3	4.4	2.8	.0	3.3	.4	3.3	1.5	4.7	1.4	3.7	4.5	3.7	4.0
255. *	3.2	1.0	3.5	4.7	2.9	.1	3.4	1.0	3.3	1.6	4.6	1.7	3.9	4.6	3.9	4.1
260. *	3.9	1.7	3.5	4.6	3.1	.2	3.2	1.7	3.0	1.2	4.5	2.2	4.0	4.5	3.8	4.2
265. *	4.6	2.6	3.0	4.4	3.5	.6	2.9	2.5	2.8	1.0	4.1	2.9	3.6	4.3	3.5	3.9

270.	*	5.3	3.7	2.5	3.8	3.9	.9	2.3	3.5	2.4	.7	3.6	3.3	3.3	3.7	3.3	3.5
275.	*	5.2	4.4	1.8	3.4	4.2	1.3	1.6	4.4	2.1	.4	2.6	3.5	2.7	3.2	2.6	3.0
280.	*	5.0	4.7	1.0	2.6	4.5	1.5	.9	4.8	1.8	.1	2.1	3.4	2.1	2.5	2.1	2.3
285.	*	4.3	4.8	.6	2.1	4.6	1.7	.5	4.9	1.7	.0	1.5	3.3	1.7	1.9	1.5	2.0
290.	*	3.7	4.5	.3	1.9	4.6	1.8	.2	4.6	1.7	.0	1.1	3.0	1.6	1.6	1.3	1.9
295.	*	3.3	4.2	.2	2.0	4.6	1.7	.2	4.4	1.7	.0	1.1	2.8	1.5	1.5	1.3	1.7
300.	*	3.0	4.1	.1	1.9	4.5	1.7	.1	4.1	1.7	.0	1.0	2.8	1.5	1.6	1.3	1.6
305.	*	2.6	3.7	.1	1.8	4.5	1.7	.1	3.8	1.9	.0	1.0	2.8	1.4	1.6	1.4	1.6
310.	*	2.6	3.5	.1	1.7	4.4	1.6	.1	3.7	1.9	.0	1.0	2.9	1.4	1.5	1.3	1.5
315.	*	2.5	3.3	.1	1.6	4.3	1.6	.1	3.6	1.9	.0	1.0	3.4	1.3	1.5	1.3	1.5
320.	*	2.6	3.0	.1	1.4	4.0	1.6	.1	3.4	2.0	.0	.9	3.3	1.3	1.3	1.3	1.6
325.	*	2.6	2.9	.1	1.5	4.1	1.6	.0	3.3	2.2	.0	.9	3.5	1.4	1.3	1.3	1.5
330.	*	2.6	2.6	.1	1.6	4.1	1.5	.0	3.2	2.3	.0	1.0	3.6	1.5	1.3	1.3	1.6
335.	*	2.8	2.5	.0	1.6	3.8	1.5	.0	3.1	2.4	.0	1.1	3.5	1.6	1.4	1.4	1.6
340.	*	3.5	2.5	.1	1.6	3.7	1.6	.0	3.1	2.6	.1	1.1	3.6	1.6	1.4	1.4	1.7
345.	*	3.7	2.6	.6	1.6	4.0	2.0	.0	3.1	2.6	.5	1.0	3.5	1.6	1.4	1.4	1.7
350.	*	3.7	2.9	.9	1.3	3.7	2.2	.1	3.2	2.6	.9	1.0	3.4	1.3	1.3	1.3	1.7
355.	*	4.0	3.4	1.6	1.2	3.5	2.5	.2	3.3	2.3	1.5	.7	3.2	1.2	1.0	1.0	1.3
360.	*	3.8	3.9	2.1	.9	2.9	2.8	.5	3.6	1.8	2.1	.5	3.0	.9	.9	.9	1.0
MAX	*	5.3	5.0	5.3	6.2	4.6	4.2	3.8	5.3	3.6	4.2	5.3	3.8	5.5	5.8	5.4	5.6
DEGR.	*	270	75	100	190	285	60	95	75	180	115	100	75	190	195	195	185

THE HIGHEST CONCENTRATION OF 6.20 PPM OCCURRED AT RECEPTOR REC4 .

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                    CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221                        PAGE  1

JOB: FOOTHILLS & ARAPAHOE SCREENING 2013                  RUN: FOOTHILLS & ARAPAHOE. 2013
      DATE :  9/14/99
      TIME :  9:11: 6
SITE & METEOROLOGICAL VARIABLES
VS =    .0 CM/S      VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

       LINK VARIABLES
       --------------
         LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *  X1        Y1        X2        Y2     *     (FT)  (DEG)            (G/MI)  (FT) (FT)        (VEH)
1. FOOTHILLS NB APPR   *     36.0   -1000.0      36.0        .0 *    1000.    360. AG   1986.   5.6    .0 44.0
       2. FOOTHILLS NB  Q     *    36.0     -72.0      36.0   -4065.2 *    3993.    180. AG    426. 100.0    .0 24.0 1.53 202.9
       3. FOOTHILLS NB  Q LEF *    12.0     -72.0      12.0    -155.0 *      83.    180. AG    581. 100.0    .0 24.0  .79    4.2
       4. FOOTHILLS NB DEP.   *    36.0        .0    -464.0    1000.0 *    1118.    333. AG   3026.   5.6    .0 44.0
       5. FOOTHILLS NB R      *    54.0    -747.0      54.0        .0 *     747.    360. AG    266.   5.6    .0 12.0
       6. FOOTHILLS NB Q R    *    54.0     -72.0      54.0    -184.0 *     112.    180. AG    213. 100.0    .0 12.0  .41    5.7
       7. FOOTHILLS SB APPR   *  -536.0    1000.0     -36.0        .0 *    1118.    153. AG   1968.   5.6    .0 44.0
       8. FOOTHILLS SB  Q     *   -36.0      72.0   -2208.7    4104.5 *    4581.    332. AG    448. 100.0    .0 24.0 1.69 232.7
       9. FOOTHILLS SB Q LEFT *   -12.0      72.0    -444.6     937.2 *     967.    333. AG    603. 100.0    .0 24.0 1.73  49.1
      10. FOOTHILLS SB DEP.   *   -36.0        .0     -36.0   -1000.0 *    1000.    180. AG   3338.   5.6    .0 44.0
      11. FOOTHILLS SB R      *  -202.5     297.0     -54.0        .0 *     332.    153. AG    246.   5.6    .0 12.0
      12. FOOTHILLS SB Q R    *   -54.0      72.0    -102.7     169.5 *     109.    333. AG    224. 100.0    .0 12.0  .42    5.5
      13. ARAPAHOE  EB APPR.  * -1000.0     -42.0        .0     -42.0 *    1000.     90. AG   1306.   6.6    .0 56.0
      14. ARAPAHOE EB QUEUE   *   -60.0     -42.0    -231.3     -42.0 *     171.    270. AG    588. 100.0    .0 36.0  .59    8.7
      15. ARAPAHOE .EB DEP.   *      .0     -42.0    1000.0     -42.0 *    1000.     90. AG   1953.   6.6    .0 56.0
      16. ARAPAHOE EB QUEUE LE*   -60.0     -12.0   -1289.1     -12.2 *    1229.    270. AG    577. 100.0    .0 24.0 1.65  62.4
      17. ARAPAHOE  EB R      *  -110.0     -66.0        .0     -66.0 *     110.     90. AG    696.   6.6    .0 12.0
      18. ARAPAHOE  EB QUEUE R*   -60.0     -66.0    -375.3     -66.0 *     315.    270. AG    196. 100.0    .0 12.0  .95   16.0
      19. ARAPAHOE WB APPR.   *  1000.0      42.0        .0      42.0 *    1000.    270. AG   1205.   6.6    .0 56.0
      20. ARAPAHOE WB QUEUE   *    72.0      42.0     221.1      42.0 *     149.     90. AG    556. 100.0    .0 36.0  .50    7.6
      21. ARAPAHOE WB DEP.    *      .0      42.0   -1000.0      42.0 *    1000.    270. AG   1725.   6.6    .0 56.0
      22. ARAPAHOE WB QUEUE LE*    72.0      12.0    1481.4      12.3 *    1409.     90. AG    556. 100.0    .0 24.0 1.52  71.6
      23. ARAPAHOE  WB R      *   156.0      66.0        .0      66.0 *     156.    270. AG    520.   6.6    .0 12.0
      24. ARAPAHOE  WB QUEUE R*    60.0      66.0     253.4      66.0 *     193.     90. AG    185. 100.0    .0 12.0  .65    9.8

ADDITIONAL QUEUE LINK PARAMETERS
        LINK DESCRIPTION     *     CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                             *     LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                             *     (SEC)    (SEC)     (SEC)     (VPH)      (VPH)    (gm/hr)
      -----------------------*--------------------------------------------------------------------------------
       2. FOOTHILLS NB  Q    *     120       77        2.0      1986       2000     123.80      1         3
       3. FOOTHILLS NB  Q LEF *    120      105        2.0       275       1900     123.80      2         3
       6. FOOTHILLS NB Q R   *     120       77        2.0       266       2000     123.80      1         3
       8. FOOTHILLS SB  Q    *     120       81        2.0      1968       2000     123.80      1         3
       9. FOOTHILLS SB Q LEFT *    120      109        2.0       380       1900     123.80      2         3
      12. FOOTHILLS SB Q R   *     120       81        2.0       246       2000     123.80      1         3
      14. ARAPAHOE EB QUEUE  *     120       72        2.0      1306       2000     121.83      2         3
      16. ARAPAHOE EB QUEUE LE*    120      106        2.0       520       1900     121.83      2         3
      18. ARAPAHOE  EB QUEUE R*    120       72        2.0       696       2000     121.83      2         3
      20. ARAPAHOE WB QUEUE  *     120       68        2.0      1205       2000     121.83      2         3
      22. ARAPAHOE WB QUEUE LE*    120      102        2.0       674       1900     121.83      2         3
      24. ARAPAHOE  WB QUEUE R*    120       68        2.0       520       2000     121.83      2         3

RECEPTOR LOCATIONS
                            *           COORDINATES (FT)          *
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RECEPTOR	X	Y	Z
1. REC 4 (NE CORNER)	24.5	72.5	6.0
2. REC 1 (SE CORNER)	59.0	-70.0	6.0
3. REC 2 (SW CORNER)	-58.5	-72.0	6.0
4. REC 3 (NW CORNER)	-97.0	70.0	6.0
5. REC 5 (E MID-MAIN)	58.0	-170.0	6.0
6. REC 6 (W MID-MAIN)	-25.5	170.0	6.0
7. REC 7 (N MID-LOCAL)	-197.0	70.0	6.0
8. REC 8 (S MID-LOCAL)	-158.0	-72.0	6.0
9. REC 9	-58.5	-172.0	6.0
10. REC10	124.5	-72.0	6.0
11. REC11	124.5	72.5	6.0
12. REC12	-147.0	170.0	6.0
13. REC13	59.0	-160.0	6.0
14. REC14	59.0	-180.0	6.0
15. REC15	68.0	-160.0	6.0
16. REC16	68.0	-170.0	6.0
17. REC17	68.0	-180.0	6.0
18. REC18	59.0	-150.0	6.0
19. REC19	68.0	-150.0	6.0

PAGE 3
JOB: FOOTHILLS & ARAPAHOE SCREENING 2013 RUN: FOOTHILLS & ARAPAHOE. 2013

ANGLE (DEGR)	(PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19
5.	.1	1.6	3.7	3.1	3.0	.1	1.5	4.9	2.6	2.0	.0	2.9	2.8	2.9	1.6	1.7	1.7	2.7	1.6
10.	.1	1.7	3.3	3.1	2.6	.1	1.5	4.9	2.0	2.0	.0	2.8	2.4	2.4	1.3	1.4	1.4	2.3	1.2
15.	.1	1.7	2.5	3.0	2.3	.1	1.5	4.9	2.0	1.9	.0	2.6	2.1	2.0	1.3	1.3	1.2	2.2	1.3
20.	.1	1.8	2.2	2.9	2.2	.1	1.3	4.9	1.9	1.9	.0	2.6	1.8	1.7	1.2	1.3	1.1	1.8	1.2
25.	.0	1.8	1.9	2.9	1.8	.1	1.3	4.7	2.1	1.9	.0	2.5	1.7	1.6	1.2	1.1	1.1	1.7	1.3
30.	.0	1.9	1.9	2.9	1.6	.0	1.2	5.0	2.2	1.8	.0	2.5	1.5	1.4	1.2	1.1	1.1	1.6	1.3
35.	.0	2.0	2.1	2.8	1.5	.0	1.2	4.7	2.4	1.9	.0	2.4	1.4	1.2	1.2	1.1	1.0	1.4	1.2
40.	.0	2.0	2.0	2.6	1.3	.0	1.3	4.7	2.7	1.8	.0	2.2	1.3	1.2	1.1	1.0	1.0	1.4	1.1
45.	.0	2.1	2.2	2.4	1.1	.0	1.3	4.5	3.1	1.8	.1	2.2	1.1	1.0	.9	.9	.9	1.1	1.0
50.	.0	2.0	2.2	2.5	1.1	.0	1.3	4.8	3.2	1.6	.1	2.2	1.0	1.0	.9	.9	.9	1.0	.9
55.	.0	2.0	2.4	2.4	.9	.0	1.3	4.9	3.0	1.6	.1	2.2	1.0	.9	.8	.8	.8	1.1	1.0
60.	.0	2.0	2.5	2.6	.9	.0	1.4	4.8	3.0	1.6	.1	2.4	1.0	.9	.9	.8	.8	1.0	.9
65.	.1	1.8	2.8	2.7	.9	.0	1.5	4.8	3.0	1.6	.2	2.4	.9	.8	.9	.8	.8	.9	.9
70.	.4	1.8	2.9	2.7	1.0	.0	1.5	4.8	2.9	1.7	.4	2.3	.9	.8	.9	.9	.8	.9	.9
75.	.7	1.9	3.1	2.7	.9	.0	1.4	4.7	2.7	1.8	.8	2.3	.8	.8	.8	.8	.8	.9	.9
80.	1.2	1.7	3.2	2.7	.5	.1	1.9	4.4	2.4	1.7	1.3	2.4	.7	.5	.7	.5	.5	.8	.8
85.	1.8	1.6	3.1	3.1	.4	.1	2.2	4.1	2.0	1.5	2.0	2.4	.4	.4	.4	.4	.4	.5	.5
90.	2.7	1.3	3.0	3.5	.3	.3	2.3	3.6	1.9	1.1	2.7	2.9	.3	.3	.3	.3	.3	.3	.3
95.	3.2	.9	2.7	3.5	.1	.5	2.3	3.0	1.6	.7	3.4	3.3	.1	.1	.1	.1	.1	.2	.2
100.	3.6	.5	2.5	3.3	.0	.9	2.2	2.3	1.4	.5	4.0	3.7	.0	.0	.0	.0	.0	.1	.1
105.	3.7	.3	2.4	3.1	.1	1.1	2.1	1.9	1.3	.3	4.4	3.8	.0	.0	.0	.0	.0	.0	.0
110.	3.6	.1	2.4	2.5	.1	1.2	2.1	1.5	1.3	.1	4.5	3.9	.0	.0	.0	.0	.0	.0	.0
115.	3.3	.1	2.4	2.1	.1	1.3	1.9	1.2	1.3	.1	4.6	3.9	.0	.0	.0	.0	.0	.0	.0
120.	2.9	.1	2.3	1.9	.1	1.4	1.9	1.1	1.3	.1	4.4	3.8	.1	.0	.0	.0	.0	.1	.0
125.	2.6	.1	2.1	1.8	.1	1.4	2.3	.8	1.3	.0	4.5	3.2	.1	.0	.0	.0	.0	.1	.0
130.	2.3	.1	2.2	1.7	.1	1.4	2.4	.8	1.4	.0	4.3	2.8	.1	.0	.0	.0	.0	.1	.0
135.	1.8	.1	2.2	2.0	.2	1.3	2.6	.9	1.5	.0	4.1	2.6	.1	.0	.0	.0	.0	.1	.0
140.	1.6	.1	2.2	2.2	.2	1.3	2.6	.9	1.6	.0	4.0	2.3	.1	.0	.0	.0	.0	.1	.0
145.	1.4	.1	2.0	2.5	.2	1.4	2.8	.8	1.6	.0	3.8	2.1	.2	.0	.0	.0	.0	.2	.0
150.	1.4	.3	1.9	2.6	.4	1.6	2.7	.8	1.7	.0	3.7	1.9	.3	.1	.0	.0	.0	.3	.0

155.	*	1.6	.5	2.0	2.7	.5	1.9	2.7	.8	1.8	.0	3.6	2.1	.5	.2	.0	.0	.0	.5	.0
160.	*	1.8	.8	2.0	2.8	.8	2.4	2.6	.8	1.9	.0	3.5	2.2	.6	.3	.1	.1	.1	.7	.1
165.	*	2.1	1.4	2.0	2.8	1.3	3.0	2.6	.9	2.0	.1	3.7	2.2	1.1	.8	.4	.4	.4	1.2	.4
170.	*	2.6	2.1	2.0	2.9	1.8	3.3	2.6	.7	2.0	.2	3.8	2.1	1.8	1.3	.8	.8	.8	1.9	.8
175.	*	3.0	2.9	1.9	3.0	2.6	4.1	2.4	.6	1.9	.5	4.1	1.9	2.5	1.9	1.2	1.2	1.2	2.6	1.4
180.	*	3.1	3.7	1.6	2.7	3.2	4.1	2.3	.4	1.5	.8	4.4	1.6	3.1	2.5	1.8	1.7	1.6	3.2	1.9
185.	*	2.9	4.2	1.2	2.4	3.5	4.3	2.0	.3	1.0	.9	4.7	1.4	3.6	2.9	2.3	2.2	2.2	3.7	2.4
190.	*	2.6	4.6	.7	2.1	3.9	4.4	1.8	.1	.7	1.1	4.9	1.2	3.8	3.1	2.4	2.3	2.3	4.0	2.5
195.	*	2.4	4.5	.5	1.9	3.9	4.3	1.6	.0	.4	1.2	4.8	1.1	3.9	3.1	2.6	2.5	2.4	4.0	2.7
200.	*	2.2	4.5	.2	2.0	3.7	4.3	1.6	.0	.2	1.2	4.8	1.1	3.8	3.1	2.6	2.4	2.3	3.9	2.7
205.	*	2.1	4.4	.1	2.0	3.7	4.4	1.5	.0	.1	1.2	4.7	1.0	3.6	2.9	2.6	2.4	2.3	3.7	2.8
210.	*	1.9	4.3	.1	2.1	3.5	4.2	1.4	.0	.1	1.2	4.6	.9	3.5	2.8	2.5	2.3	2.1	3.6	2.6
215.	*	2.1	4.3	.1	2.2	3.4	4.3	1.5	.0	.1	1.3	4.3	.9	3.4	2.8	2.5	2.3	2.0	3.5	2.6
220.	*	2.1	4.1	.1	2.1	3.2	4.2	1.4	.1	.1	1.3	4.2	.9	3.2	2.6	2.5	2.3	2.0	3.2	2.6
225.	*	2.3	3.9	.1	2.0	3.0	4.1	1.4	.1	.1	1.4	4.3	.9	3.1	2.6	2.3	2.2	1.9	3.1	2.4
230.	*	2.5	3.7	.2	1.9	2.9	4.1	1.5	.1	.1	1.5	4.3	.8	3.0	2.5	2.3	2.1	1.8	3.0	2.3
235.	*	2.9	3.6	.1	1.9	2.9	4.0	1.6	.1	.0	1.6	4.2	.8	3.0	2.6	2.2	2.0	1.7	3.0	2.2
240.	*	3.0	3.5	.2	1.8	2.9	4.1	1.6	.2	.0	1.5	3.9	.8	2.8	2.5	2.2	2.1	1.7	2.9	2.3
245.	*	3.1	3.3	.4	1.8	2.7	4.0	1.6	.3	.0	1.7	4.2	.9	2.7	2.5	2.2	2.1	1.8	2.8	2.3
250.	*	3.2	3.3	.7	1.9	2.6	4.0	1.7	.5	.0	1.8	4.2	.8	2.8	2.5	2.2	2.0	1.8	2.9	2.3
255.	*	3.2	3.3	1.1	1.7	2.6	3.8	1.7	.8	.0	2.0	4.1	.8	2.8	2.5	2.3	2.2	1.9	3.0	2.5
260.	*	3.3	3.4	1.7	1.6	2.7	3.5	1.6	1.4	.0	2.2	3.9	.5	3.0	2.6	2.5	2.3	2.0	3.2	2.7
265.	*	3.4	4.0	2.7	1.5	2.8	3.5	1.4	2.0	.1	2.4	3.6	.4	3.2	2.8	2.6	2.4	2.1	3.6	2.9
270.	*	3.1	4.2	3.6	1.2	3.0	3.3	1.1	2.8	.2	3.0	3.2	.3	3.7	2.9	3.1	2.7	2.4	4.1	3.4
275.	*	3.2	4.3	4.2	.7	3.5	3.3	.7	3.3	.5	3.1	2.7	.1	4.0	3.4	3.4	3.2	2.8	4.5	3.8
280.	*	3.1	4.2	5.0	.5	3.9	3.2	.5	3.9	.8	2.9	2.2	.0	4.3	3.8	3.8	3.5	3.2	4.7	4.1
285.	*	3.1	3.7	5.3	.3	4.2	3.2	.3	4.3	.9	2.5	2.2	.0	4.8	4.0	4.2	3.8	3.6	5.1	4.5
290.	*	3.3	2.9	5.3	.1	4.5	3.4	.1	4.3	1.0	2.2	1.8	.0	5.0	4.2	4.5	4.1	3.8	5.3	4.7
295.	*	3.5	2.7	5.1	.1	4.9	3.5	.1	4.4	1.2	2.0	1.9	.0	5.1	4.5	4.4	4.3	4.1	5.4	4.7
300.	*	3.7	2.3	5.0	.1	5.2	3.7	.1	4.5	1.2	1.6	1.8	.0	5.3	4.9	4.5	4.4	4.1	5.3	4.5
305.	*	3.9	2.1	4.7	.1	5.1	3.8	.0	4.3	1.3	1.8	1.8	.1	5.3	5.0	4.4	4.2	4.1	5.3	4.2
310.	*	4.2	2.4	4.6	.1	5.3	4.0	.0	4.3	1.5	2.4	1.9	.1	5.3	5.1	4.4	4.5	4.4	5.4	4.4
315.	*	4.4	2.5	4.5	.2	5.5	4.3	.0	4.2	1.5	2.8	1.9	.2	5.6	5.5	4.7	4.7	4.6	5.5	4.3
320.	*	4.5	3.2	4.6	.6	5.9	4.3	.1	4.2	1.7	3.1	1.7	.6	5.6	5.9	4.8	4.7	4.9	5.5	4.8
325.	*	4.2	3.5	4.5	1.2	6.3	4.3	.2	4.2	1.9	3.2	1.5	1.2	6.3	6.0	5.2	5.1	5.1	6.2	5.2
330.	*	3.7	3.9	4.9	1.9	6.7	3.7	.5	4.3	2.3	3.3	1.2	1.9	6.5	6.6	5.1	5.3	5.4	6.3	5.0
335.	*	2.9	3.9	5.0	2.5	6.6	3.0	.9	4.3	2.6	2.9	.7	2.6	6.4	6.7	4.9	5.1	5.3	6.1	4.7
340.	*	2.1	3.2	5.3	3.0	6.2	2.1	1.1	4.6	3.0	2.5	.4	2.9	5.9	6.2	4.3	4.4	4.6	5.6	4.0
345.	*	1.1	2.6	5.3	3.2	5.4	1.2	1.3	4.7	2.9	2.2	.2	3.2	4.9	5.3	3.4	3.5	3.7	4.8	3.4
350.	*	.7	2.1	5.0	3.4	4.8	.7	1.5	4.9	3.2	2.2	.0	3.1	4.6	4.8	2.9	3.0	3.0	4.5	2.7
355.	*	.3	1.7	4.8	3.3	4.0	.3	1.5	5.1	3.0	1.9	.0	3.2	3.7	3.9	2.1	2.2	2.3	3.5	2.0
360.	*	.1	1.6	4.3	3.2	3.7	.1	1.5	5.1	2.7	1.9	.0	2.9	3.3	3.4	1.8	1.9	1.9	3.2	1.6
MAX	*	4.5	4.6	5.3	3.5	6.7	4.4	2.8	5.1	3.2	3.3	4.9	3.9	6.5	6.7	5.2	5.3	5.4	6.3	5.2
DEGR.	*	320	190	285	90	330	190	145	355	50	330	190	110	330	335	325	330	330	330	325

THE HIGHEST CONCENTRATION OF 6.70 PPM OCCURRED AT RECEPTOR REC5 .

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: PARKER & ILLIF RUN: PARKER & ILLIF 2013 SCREENING
DATE : 9/14/99
TIME : 9:22:45
The MODE flag has been set to C for calculating CO averages.
SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. PARKER NB APPR	1024.0	-1000.0	24.0	.0	1414.	315.	AG	1593.	5.8	.0	49.0		
2. PARKER NB Q	72.0	-49.0	1078.2	-1055.2	1423.	135.	AG	403.	100.0	.0	29.0	1.14	72.3
3. PARKER NB Q LEF	65.0	-59.0	1941.6	-1935.6	2654.	135.	AG	278.	100.0	.0	12.0	2.05	134.8
4. PARKER NB DEP.	24.0	.0	-976.0	1000.0	1414.	315.	AG	2053.	5.8	.0	49.0		
5. PARKER NB R	113.5	-54.0	313.5	-254.0	283.	135.	AG	34.	5.8	.0	12.0		
6. PARKER SB APPR	-1030.0	1000.0	-30.0	.0	1414.	135.	AG	1291.	5.8	.0	64.0		
7. PARKER SB Q	-92.5	62.0	-313.5	283.0	313.	315.	AG	403.	100.0	.0	41.0	.92	15.9
8. PARKER SB Q LEFT	-75.0	69.0	-1873.8	1858.0	2537.	315.	AG	278.	100.0	.0	16.0	2.00	128.9
9. PARKER SB DEP.	-30.0	.0	970.0	-1000.0	1414.	135.	AG	1919.	5.8	.0	64.0		
10. ILLIF EB APPR.	-1000.0	-26.0	.0	-26.0	1000.	90.	AG	1470.	6.8	.0	45.0		
11. ILLIF EB QUEUE	-57.0	-26.0	-963.7	-26.0	907.	270.	AG	409.	100.0	.0	25.0	1.08	46.1
12. ILLIF .EB DEP.	.0	-26.0	1000.0	-26.0	1000.	90.	AG	1947.	6.8	.0	45.0		
13. ILLIF EB QUEUE LE	-75.0	.0	-977.6	-.3	903.	270.	AG	297.	100.0	.0	13.0	1.67	45.9
14. ILLIF EB R	-1000.0	-48.5	.0	-48.5	1000.	90.	AG	542.	6.8	.0	21.0		
15. ILLIF EB QUEUE R	-26.0	-48.5	-248.3	-48.5	222.	270.	AG	204.	100.0	.0	21.0	.79	11.3
16. ILLIF WB APPR.	1000.0	34.0	.0	34.0	1000.	270.	AG	1228.	6.8	.0	57.0		
17. ILLIF WB QUEUE	41.0	34.0	305.9	34.0	265.	90.	AG	409.	100.0	.0	37.0	.90	13.5
18. ILLIF WB DEP.	.0	34.0	-1000.0	34.0	1000.	270.	AG	1730.	6.8	.0	57.0		
19. ILLIF WB QUEUE LE	58.0	7.5	114.8	7.5	57.	90.	AG	297.	100.0	.0	15.0	.78	2.9
20. ILLIF WB R	225.0	65.5	.0	65.5	225.	270.	AG	276.	6.8	.0	27.0		
21. ILLIF WB QUEUE R	.0	65.5	113.2	65.5	113.	90.	AG	204.	100.0	.0	27.0	.40	5.8

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. PARKER NB Q	120	74	2.0	1593	2000	121.97	1	3
3. PARKER NB Q LEF	120	102	2.0	454	1900	121.97	2	3
7. PARKER SB Q	120	74	2.0	1291	2000	121.97	1	3
8. PARKER SB Q LEFT	120	102	2.0	443	1900	121.97	2	3
11. ILLIF EB QUEUE	120	75	2.0	1470	2000	121.97	2	3
13. ILLIF EB QUEUE LE	120	109	2.0	184	1900	121.97	2	3
15. ILLIF EB QUEUE R	120	75	2.0	542	2000	121.97	2	3
17. ILLIF WB QUEUE	120	75	2.0	1228	2000	121.97	2	3
19. ILLIF WB QUEUE LE	120	109	2.0	86	1900	121.97	2	3
21. ILLIF WB QUEUE R	120	75	2.0	276	2000	121.97	2	3

RECEPTOR LOCATIONS

RECEPTOR	X	Y	Z
1. REC 1 SE CORNER	120.0	-48.0	6.0
2. REC 2 (SW CORNER)	-17.5	-58.0	6.0
3. REC 3 (NW CORNER)	-140.5	64.0	6.0
4. REC 4 (NE CORNER)	-15.0	79.0	6.0
5. REC 5 (E MID-MAIN)	220.0	-48.0	6.0

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  6. REC 6 (W MID-MAIN)   *      -117.5      -58.0        6.0   *
  7. REC 7 (N MID-LOCAL)  *      -240.5      164.0        6.0   *
  8. REC 8 (S MID-LOCAL)  *        82.5     -158.0        6.0   *
  9. REC 9                *       220.0       79.0        6.0   *
 10. RECEPTOR 10          *      -115.0      179.0        6.0   *
 11. REC 11               *      -117.5      -58.0        6.0   *
 12. REC12                *      -240.5       64.0        6.0   *
 13. REC13                *       220.0     -148.0        6.0   *
 14. REC15                *       -80.0      -59.0        6.0   *
 15. REC16                *       -80.0      -69.0        6.0   *
 16. REC17                *       -70.0      -59.0        6.0   *
 17. RECEPTOR 18          *       -70.0      -69.0        6.0   *
 18. REC19                *       -60.0      -69.0        6.0   *
 19. REC20                *       -60.0      -59.0        6.0   *
 20. REC21                *       -50.0      -69.0        6.0   *
 21. REC22                *       -50.0      -59.0        6.0   *
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JOB: PARKER & ILLIF RUN: PARKER & ILLIF 2013 SCREENING

MODEL RESULTS (PPM)

ANGLE (DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
5.	*	1.3	1.2	2.1	.0	1.1	3.5	2.1	2.2	.0	.0	3.5	1.1	.6	3.0	2.6	2.7	2.3	2.0	2.3	1.9
10.	*	1.2	1.2	2.1	.0	1.1	3.4	2.1	2.2	.0	.0	3.4	1.1	.6	2.8	2.4	2.6	2.2	1.8	2.0	1.5
15.	*	1.1	1.3	2.0	.0	1.1	3.2	1.9	2.1	.0	.0	3.2	1.0	.6	2.7	2.3	2.2	1.8	1.7	2.0	1.6
20.	*	1.1	1.4	1.9	.0	1.1	3.1	1.9	2.0	.0	.0	3.1	1.0	.5	2.5	2.1	2.2	1.8	1.6	2.0	1.4
25.	*	1.1	1.5	1.9	.0	1.1	3.0	1.9	2.0	.0	.0	3.0	1.0	.5	2.4	1.8	2.2	1.7	1.7	1.8	1.7
30.	*	1.1	1.5	1.9	.0	1.1	3.1	1.9	2.0	.0	.0	3.1	.9	.4	2.4	1.8	2.1	1.7	1.7	2.0	1.6
35.	*	1.2	1.6	1.9	.0	1.1	2.9	1.9	2.0	.0	.0	2.9	.9	.4	2.4	2.0	2.2	1.7	1.6	2.1	1.8
40.	*	1.3	1.8	1.9	.0	1.1	3.1	1.9	2.0	.0	.0	3.1	.9	.4	2.3	1.9	2.2	1.8	1.8	2.1	1.8
45.	*	1.3	1.8	1.9	.0	1.1	2.9	1.9	2.0	.0	.0	2.9	.9	.3	2.5	1.9	2.5	1.9	1.8	2.4	1.8
50.	*	1.3	1.8	1.9	.0	1.0	3.3	1.9	1.9	.0	.0	3.3	.9	.3	2.7	2.0	2.5	1.9	2.0	2.6	2.0
55.	*	1.4	2.2	1.9	.0	1.0	3.1	1.9	1.8	.0	.0	3.1	.9	.3	2.7	2.2	2.6	2.1	2.1	2.6	1.9
60.	*	1.3	2.0	1.8	.0	.9	3.3	1.9	1.8	.0	.0	3.3	.9	.3	2.8	2.2	2.8	2.2	1.9	2.7	1.9
65.	*	1.3	2.2	1.9	.1	1.0	3.2	1.9	1.8	.0	.0	3.2	1.0	.3	3.1	2.1	2.8	2.0	2.0	2.7	1.9
70.	*	1.2	2.0	2.1	.2	.9	3.3	1.9	1.8	.0	.0	3.3	1.0	.3	2.9	2.0	2.8	2.0	1.9	2.7	1.9
75.	*	1.2	2.2	2.1	.4	1.0	3.3	1.9	1.8	.0	.0	3.3	1.1	.3	2.7	2.0	2.7	2.0	2.0	2.5	1.7
80.	*	1.1	2.2	2.2	.7	.9	3.0	2.1	1.8	.1	.0	3.0	1.3	.1	2.7	2.0	2.6	1.8	1.7	2.6	1.6
85.	*	1.0	1.9	2.2	1.1	.9	2.9	2.1	1.8	.1	.0	2.9	1.6	.1	2.5	1.6	2.4	1.4	1.5	2.2	1.5
90.	*	.8	1.9	2.7	1.5	.8	2.6	2.5	1.8	.4	.0	2.6	1.5	.1	2.1	1.4	2.0	1.5	1.4	2.1	1.5
95.	*	.6	1.8	2.6	1.8	.5	2.3	2.6	1.7	.4	.3	2.3	1.8	.0	1.9	1.2	2.0	1.1	1.2	2.0	1.4
100.	*	.4	1.7	2.7	2.2	.4	1.7	2.9	1.7	.7	.3	1.7	2.0	.0	1.6	1.1	1.9	1.2	1.4	1.9	1.4
105.	*	.3	1.9	2.7	2.4	.3	1.6	2.9	2.0	.8	.5	1.6	2.2	.0	1.7	1.2	1.8	1.3	1.5	1.8	1.5
110.	*	.2	2.0	2.5	2.3	.2	1.5	3.0	2.0	.9	.6	1.5	2.3	.0	1.6	1.1	1.6	1.4	1.4	1.6	1.5
115.	*	.2	2.0	2.6	2.3	.1	1.3	3.3	2.0	1.1	.8	1.3	2.3	.1	1.6	1.3	1.6	1.5	1.5	1.6	1.6
120.	*	.5	2.2	2.6	2.6	.1	1.3	3.2	2.2	1.2	.9	1.3	2.4	.4	1.6	1.4	1.6	1.5	1.5	1.7	1.6
125.	*	1.0	2.1	2.7	2.7	.3	1.1	2.9	2.1	1.3	1.6	1.1	2.8	.8	1.4	1.2	1.5	1.3	1.4	1.6	1.5
130.	*	1.4	2.0	2.8	2.9	.4	1.1	3.1	2.0	1.5	1.7	1.1	2.6	1.3	1.1	1.0	1.2	1.0	1.1	1.4	1.3
135.	*	2.0	1.5	2.5	3.1	.7	.7	2.6	1.5	1.5	2.1	.7	2.3	2.0	.9	.7	1.0	.8	.9	1.1	1.0
140.	*	2.5	1.2	2.1	3.3	1.0	.4	2.1	1.1	1.8	2.2	.4	2.0	2.4	.6	.4	.7	.5	.6	.7	.6
145.	*	2.7	.7	1.9	3.1	1.1	.3	1.4	.7	2.0	2.2	.3	1.9	2.7	.3	.2	.3	.3	.3	.3	.3
150.	*	2.7	.4	1.8	2.6	1.3	.1	1.3	.4	2.1	1.8	.1	1.7	2.7	.0	.0	.0	.0	.0	.0	.0
155.	*	2.7	.1	1.4	2.1	1.3	.0	1.0	.1	2.1	1.9	.0	1.6	2.7	.0	.0	.0	.0	.0	.0	.0
160.	*	2.5	.1	1.5	1.6	1.3	.0	.8	.1	2.1	2.0	.0	1.5	2.5	.0	.0	.0	.0	.0	.0	.0
165.	*	2.4	.1	1.5	1.3	1.3	.0	.8	.1	2.1	2.1	.0	1.6	2.4	.0	.0	.0	.0	.0	.0	.0
170.	*	2.3	.0	1.6	1.3	1.3	.0	.8	.0	2.1	2.2	.0	1.6	2.3	.0	.0	.0	.0	.0	.0	.0
175.	*	2.2	.0	1.7	1.0	1.1	.0	.8	.0	2.2	2.1	.0	1.7	2.2	.0	.0	.0	.0	.0	.0	.0
180.	*	2.1	.0	1.7	1.3	1.1	.0	.8	.0	2.2	2.4	.0	1.6	2.1	.0	.0	.0	.0	.0	.0	.0
185.	*	1.9	.0	1.7	1.2	.9	.0	.8	.0	2.1	2.5	.0	1.6	1.9	.0	.0	.0	.0	.0	.0	.0
190.	*	1.9	.0	1.6	1.2	.9	.0	.7	.0	2.1	2.5	.0	1.5	1.9	.0	.0	.0	.0	.0	.0	.0
195.	*	1.9	.0	1.6	1.2	.9	.0	.7	.0	2.1	2.5	.0	1.4	1.9	.0	.0	.0	.0	.0	.0	.0
200.	*	1.9	.0	1.5	1.3	.9	.0	.7	.0	2.1	2.5	.0	1.3	1.9	.0	.0	.0	.0	.0	.0	.0
205.	*	1.9	.0	1.6	1.5	.9	.0	.7	.0	2.1	2.4	.0	1.4	1.9	.0	.0	.0	.0	.0	.0	.0
210.	*	1.9	.0	1.7	1.4	.9	.1	.7	.0	2.0	2.4	.1	1.5	1.9	.0	.0	.0	.0	.0	.0	.0
215.	*	1.9	.0	1.7	1.7	.9	.1	.8	.0	2.0	2.5	.1	1.5	1.9	.0	.0	.0	.0	.0	.0	.0
220.	*	1.9	.0	1.7	1.8	.9	.1	.8	.0	2.0	2.4	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
225.	*	1.9	.0	1.7	2.1	.9	.1	.8	.0	2.1	2.5	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
230.	*	1.9	.0	1.7	2.2	1.0	.1	.9	.0	2.1	2.5	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
235.	*	1.9	.0	1.8	2.3	1.0	.1	.9	.0	2.2	2.5	.1	1.7	1.9	.1	.0	.1	.0	.0	.1	.0
240.	*	1.7	.1	1.8	2.3	1.0	.2	.9	.0	2.3	2.4	.2	1.8	1.9	.1	.0	.1	.0	.0	.2	.0
245.	*	1.7	.3	1.8	2.5	1.0	.4	.8	.0	2.4	2.4	.4	1.8	1.9	.2	.0	.2	.0	.0	.2	.0
250.	*	1.9	.5	2.0	2.6	1.0	.6	.8	.0	2.5	2.5	.6	1.9	1.9	.5	.1	.5	.1	.2	.5	.2
255.	*	2.2	1.0	1.9	2.7	1.4	.9	.6	.0	2.5	2.3	.9	1.9	1.9	.9	.2	.9	.2	.2	.9	.2
260.	*	2.5	1.5	1.7	2.6	1.7	1.5	.4	.0	2.4	2.3	1.5	1.6	2.0	1.3	.8	1.3	.8	.8	1.4	.8

265.	*	3.0	2.2	1.5	2.6	1.9	2.3	.3	.1	2.0	2.1	2.3	1.5	2.1	2.2	1.4	2.3	1.4	1.4	2.3	1.4
270.	*	3.1	3.0	1.2	2.4	2.0	3.1	.0	.4	2.0	2.0	3.1	1.2	2.4	2.8	1.8	2.8	1.8	1.8	2.9	1.8
275.	*	3.2	3.6	.8	2.1	2.7	3.7	.0	.6	1.5	1.9	3.7	.7	2.9	3.7	2.3	3.7	2.3	2.3	3.7	2.4
280.	*	3.3	3.8	.5	2.3	2.4	3.9	.0	.9	1.2	2.0	3.9	.5	3.0	3.9	2.8	3.9	2.8	2.8	4.0	2.9
285.	*	3.0	3.9	.2	2.1	2.9	4.1	.0	1.0	.7	1.9	4.1	.2	2.9	4.0	3.0	4.1	3.0	3.0	4.1	3.0
290.	*	2.6	3.4	.1	2.1	2.3	3.9	.0	1.3	.6	2.0	3.9	.1	3.1	3.8	3.0	3.8	3.0	3.1	3.8	3.1
295.	*	2.6	3.3	.3	2.2	2.3	3.8	.1	1.3	.5	2.0	3.8	.1	3.1	3.7	3.0	3.7	3.0	3.0	3.7	3.0
300.	*	2.7	3.2	.4	2.1	2.3	3.6	.3	1.3	.5	1.9	3.6	.0	3.1	3.6	2.7	3.6	2.8	2.8	3.6	2.8
305.	*	2.6	3.4	.8	2.0	2.3	3.6	.7	1.6	.4	1.7	3.6	.1	2.6	3.7	2.8	3.7	2.9	2.9	3.8	3.0
310.	*	2.5	3.2	1.2	1.8	2.2	3.4	1.0	1.7	.3	1.6	3.4	.1	2.5	3.7	3.1	3.8	3.1	3.2	3.8	3.2
315.	*	2.5	3.4	1.8	1.4	1.9	3.6	1.5	1.8	.1	1.2	3.6	.4	2.3	3.8	3.3	3.9	3.3	3.4	3.9	3.4
320.	*	2.3	3.4	2.2	.9	1.5	3.7	1.9	1.9	.1	.9	3.7	.5	1.6	3.8	3.4	4.1	3.6	3.7	4.2	3.5
325.	*	2.0	3.2	2.6	.6	1.4	3.6	2.2	1.9	.0	.5	3.6	.6	1.3	4.1	3.6	4.1	3.7	3.6	4.3	3.7
330.	*	1.8	2.8	2.7	.3	1.1	3.9	2.4	1.6	.0	.3	3.9	.8	1.1	4.2	3.7	4.2	3.7	3.7	4.2	3.6
335.	*	1.7	2.3	2.8	.1	1.1	3.8	2.5	1.6	.0	.1	3.8	.8	.7	4.1	3.6	4.1	3.6	3.6	3.9	3.3
340.	*	1.6	2.0	2.7	.1	1.1	3.8	2.5	1.3	.0	.1	3.8	.9	.6	4.1	3.6	4.0	3.4	3.2	3.7	3.1
345.	*	1.6	1.8	2.5	.0	1.1	3.9	2.5	1.5	.0	.0	3.9	1.0	.6	3.8	3.4	3.8	3.4	3.1	3.4	2.8
350.	*	1.4	1.6	2.5	.0	1.1	3.9	2.4	1.8	.0	.0	3.9	1.1	.7	3.7	3.3	3.5	3.2	2.9	3.1	2.5
355.	*	1.4	1.2	2.3	.0	1.1	3.8	2.3	2.0	.0	.0	3.8	1.1	.7	3.4	2.9	3.3	2.9	2.6	2.9	2.1
360.	*	1.4	1.2	2.3	.0	1.1	3.8	2.3	2.2	.0	.0	3.8	1.1	.7	3.3	2.8	3.1	2.5	2.2	2.7	1.9
MAX	*	3.3	3.9	2.8	3.3	2.9	4.1	3.3	2.2	2.5	2.5	4.1	2.8	3.1	4.2	3.7	4.2	3.7	3.7	4.3	3.7
DEGR.	*	280	285	130	140	285	285	115	5	250	185	285	125	290	330	330	330	325	320	325	325

THE HIGHEST CONCENTRATION OF 4.30 PPM OCCURRED AT RECEPTOR REC19.

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: UNIVERSITY AND ARAPAHOE RUN: UNIVERSITY AND ARAPAHOE 2013 SCREENING
DATE : 9/14/99
TIME : 8:18:46
The MODE flag has been set to C for calculating CO averages.
SITE & METEOROLOGICAL VARIABLES
VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. UNIVERSITY NB APPR	28.0	-1000.0	28.0	.0	1000.	360.	AG	1704.	6.5	.0	47.0		
2. UNIVERSITY NB Q	28.0	-66.0	28.0	-2003.0	1937.	180.	AG	404.	100.0	.0	27.0	1.22	98.4
3. UNIVERSITY NB Q LEF	8.0	-66.0	8.0	-1739.7	1674.	180.	AG	285.	100.0	.0	16.0	1.76	85.0
4. UNIVERSITY NB DEP.	28.0	.0	28.0	1000.0	1000.	360.	AG	2851.	6.5	.0	47.0		
5. UNIVERSITY SB APR	-26.0	1000.0	-26.0	.0	1000.	180.	AG	2009.	6.5	.0	46.0		
6. UNIVERSITY SB Q	-26.0	69.0	-26.0	2557.1	2488.	360.	AG	371.	100.0	.0	26.0	1.25	126.4
7. UNIVERSITY SB Q LEFT	.0	69.0	.0	2449.7	2381.	360.	AG	268.	100.0	.0	12.0	1.73	120.9
8. UNIVERSITY SB DP.	-26.0	.0	-26.0	-1000.0	1000.	180.	AG	2986.	6.5	.0	46.0		
9. UNIVERSITY SB R	-45.5	344.0	-45.5	.0	344.	180.	AG	513.	6.5	.0	15.0		
10. ARAPAHOE EB APPR.	-1000.0	-37.0	.0	-37.0	1000.	90.	AG	1111.	7.7	.0	44.0		
11. ARAPAHOE EB QUEUE	-53.0	-37.0	-1098.1	-37.0	1045.	270.	AG	477.	100.0	.0	24.0	1.16	53.1
12. ARAPAHOE .EB DEP.	.0	-37.0	1000.0	-37.0	1000.	90.	AG	1768.	7.7	.0	44.0		
13. ARAPAHOE EB QUEUE LE	-53.0	-13.0	-732.3	-13.0	679.	270.	AG	570.	100.0	.0	25.0	1.27	34.5
14. ARAPAHOE EB R	-428.0	-57.5	.0	-57.5	428.	90.	AG	444.	7.7	.0	17.0		
15. ARAPAHOE WB APPR.	1000.0	37.0	.0	37.0	1000.	270.	AG	1485.	7.7	.0	44.0		
16. ARAPAHOE WB QUEUE	43.0	37.0	5918.0	38.8	5875.	90.	AG	570.	100.0	.0	24.0	3.71	298.5
17. ARAPAHOE WB DEP.	.0	37.0	-1000.0	37.0	1000.	270.	AG	2334.	7.7	.0	44.0		
18. ARAPAHOE WB QUEUE LE	43.0	13.0	147.7	13.0	105.	90.	AG	477.	100.0	.0	25.0	.58	5.3
19. UNIVERSITY SB R QUEU	-45.5	69.0	-45.5	226.1	157.	360.	AG	186.	100.0	.0	15.0	.64	8.0
20. ARAPAHOE EB R Q	-53.0	-57.5	-257.8	-57.6	205.	270.	AG	239.	100.0	.0	17.0	.93	10.4
21. ARAPAHOE WB FR	343.0	59.0	.0	59.0	343.	270.	AG	664.	7.7	.0	20.0		

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. UNIVERSITY NB Q	100	61	2.0	1704	2000	123.56	1	3
3. UNIVERSITY NB Q LEF	100	86	2.0	335	1900	123.56	2	3
6. UNIVERSITY SB Q	100	56	2.0	2009	2000	123.56	1	3
7. UNIVERSITY SB Q LEFT	100	81	2.0	494	1900	123.56	2	3
11. ARAPAHOE EB QUEUE	100	72	2.0	1111	2000	123.56	2	3
13. ARAPAHOE EB QUEUE LE	100	86	2.0	483	1900	123.56	2	3
16. ARAPAHOE WB QUEUE	100	86	2.0	1485	2000	123.56	2	3
18. ARAPAHOE WB QUEUE LE	100	72	2.0	533	1900	123.56	2	3
19. UNIVERSITY SB R QUEU	100	56	2.0	513	2000	123.56	1	3
20. ARAPAHOE EB R Q	100	72	2.0	444	2000	123.56	2	3

RECEPTOR LOCATIONS

RECEPTOR	X (FT)	Y (FT)	Z (FT)

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  1. REC 1 (SE CORNER)    *        52.0      -60.0        6.0    *
  2. REC 2 (SW CORNER)    *       -50.0      -65.0        6.0    *
  3. REC 3 (NW CORNER)    *       -54.0       60.0        6.0    *
  4. REC 4 (NE CORNER)    *        50.0       70.0        6.0    *
  5. REC 5 (E MID-MAIN)   *        52.0     -160.0        6.0    *
  6. REC 6 (W MID-MAIN)   *       -54.0      160.0        6.0    *
  7. REC 7 (N MID-LOCAL)  *      -154.0       60.0        6.0    *
  8. REC 8 (S MID-LOCAL)  *      -150.0      -65.0        6.0    *
  9. REC9                 *        50.0      170.0        6.0    *
 10. REC10                *       -50.0     -160.0        6.0    *
 11. REC11                *       152.0      -60.0        6.0    *
 12. REC12                *       150.0       70.0        6.0    *
 13. REC13                *      -140.0      -65.0        6.0    *
 14. REC14                *      -160.0      -65.0        6.0    *
 15. REC15                *      -140.0      -75.0        6.0    *
 16. REC16                *      -150.0      -75.0        6.0    *
 17. REC17                *      -160.0      -75.0        6.0    *
 18. REC18                *       -60.0      -65.0        6.0    *
 19. REC19                *       -50.0      -75.0        6.0    *
 20. REC20                *       -60.0      -75.0        6.0    *
 21. REC21                *       -70.0      -65.0        6.0    *
 22. REC22                *       -70.0      -75.0        6.0    *
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JOB: UNIVERSITY AND ARAPAHOE RUN: UNIVERSITY AND ARAPAHOE 2013 SCREENING

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
5.	*	3.0	3.9	3.8	1.5	2.4	3.8	.8	4.5	1.5	3.0	1.8	.3	4.6	4.5	4.0	3.9	3.9	5.2	3.9	4.4
10.	*	2.7	3.6	4.1	1.0	2.0	4.1	1.0	4.8	1.0	2.8	1.5	.1	4.9	4.5	4.4	4.3	4.0	4.7	3.7	4.2
15.	*	2.3	3.2	4.2	.6	1.5	4.2	1.2	4.8	.6	2.7	1.3	.0	4.9	4.8	4.4	4.4	4.4	4.5	3.1	3.9
20.	*	2.0	2.8	3.9	.3	1.2	4.1	1.2	4.8	.3	2.7	1.3	.0	4.8	4.8	4.4	4.4	4.4	3.7	2.8	3.3
25.	*	2.2	2.2	3.7	.2	1.0	3.9	1.3	4.9	.2	2.2	1.3	.0	5.0	4.8	4.3	4.2	4.2	3.4	2.3	2.6
30.	*	2.1	2.1	3.4	.1	1.0	3.8	1.2	4.8	.1	2.1	1.4	.0	4.8	4.8	4.2	4.2	4.2	3.1	2.1	2.3
35.	*	2.1	2.2	3.2	.1	.8	3.6	1.1	4.8	.1	2.4	1.5	.0	4.8	4.9	4.1	4.1	4.1	2.8	2.2	2.2
40.	*	2.1	2.3	2.9	.1	.9	3.5	1.1	4.9	.1	2.6	1.4	.0	4.8	4.9	4.1	4.2	4.2	2.7	2.1	2.2
45.	*	2.0	2.3	2.8	.1	.8	3.2	1.3	4.9	.1	2.6	1.4	.0	4.8	4.9	3.9	4.0	4.2	2.7	2.3	2.1
50.	*	2.1	2.6	2.5	.1	.8	3.0	1.3	5.1	.1	2.8	1.5	.0	5.1	5.0	4.0	4.2	4.2	3.1	2.5	2.4
55.	*	2.0	2.7	2.4	.1	.8	2.9	1.3	5.0	.1	2.7	1.6	.0	4.9	5.2	3.6	3.9	3.9	3.1	2.4	2.5
60.	*	1.9	2.8	2.1	.0	.8	2.9	1.3	4.8	.0	2.6	1.6	.0	4.8	4.9	3.8	3.8	3.9	3.1	2.7	2.4
65.	*	2.0	3.0	2.0	.1	.9	2.9	1.4	5.0	.0	2.6	1.8	.1	5.0	5.0	3.7	3.7	3.8	3.2	2.8	2.6
70.	*	1.9	3.0	2.3	.3	.9	2.9	1.2	5.2	.0	2.6	1.8	.3	4.9	5.2	3.6	3.7	3.7	3.2	3.0	2.8
75.	*	2.1	3.3	2.3	.6	.9	2.8	1.5	5.0	.1	2.7	2.0	.6	4.7	5.1	3.3	3.4	3.7	3.5	3.0	2.8
80.	*	2.0	3.2	2.8	1.2	.9	3.0	1.9	4.9	.2	2.7	2.0	1.1	4.7	4.9	3.2	3.5	3.4	3.4	2.8	2.8
85.	*	1.8	3.0	3.2	1.9	.6	3.2	2.6	4.3	.4	2.4	1.8	1.7	4.1	4.4	2.7	2.7	2.9	3.1	2.7	2.6
90.	*	1.5	2.7	3.8	2.4	.5	3.6	3.0	3.8	.7	2.3	1.5	2.3	3.7	3.9	2.4	2.4	2.5	3.1	2.6	2.3
95.	*	1.1	2.3	4.0	2.8	.2	3.8	2.9	3.0	.8	2.0	1.0	2.8	3.0	3.0	1.6	1.6	1.8	2.5	2.1	2.0
100.	*	.7	2.0	3.8	3.2	.1	3.9	2.5	2.3	1.0	1.9	.7	3.1	2.3	2.2	1.3	1.3	1.3	2.1	2.0	1.8
105.	*	.3	1.9	3.5	3.2	.0	3.9	2.4	1.7	1.0	1.8	.3	3.0	1.8	2.0	1.2	1.1	1.1	1.8	1.9	1.7
110.	*	.2	1.8	3.1	3.2	.0	4.1	2.3	1.4	1.1	1.7	.2	2.9	1.4	1.4	.8	.8	.8	1.8	1.7	1.5
115.	*	.1	1.7	2.5	3.2	.0	4.1	2.2	1.2	1.0	1.8	.1	2.8	1.3	1.2	.9	.8	.8	1.5	1.8	1.6
120.	*	.1	1.8	2.4	3.1	.0	4.2	2.2	1.0	1.0	1.8	.1	2.6	1.2	1.0	1.0	.8	.8	1.7	1.8	1.7
125.	*	.1	1.9	2.2	3.1	.0	4.1	2.2	1.1	1.2	1.9	.1	2.4	1.2	1.0	1.0	.9	.8	1.7	1.9	1.8
130.	*	.0	1.9	2.1	3.1	.0	4.0	2.5	1.1	1.1	1.9	.0	2.3	1.1	.9	1.0	1.0	.8	1.8	1.9	1.8
135.	*	.0	2.0	1.9	3.2	.0	4.1	2.7	1.1	1.1	2.0	.0	2.3	1.2	1.1	1.1	1.0	1.0	1.8	2.0	1.8
140.	*	.0	2.2	2.2	3.1	.0	4.1	2.9	1.1	1.1	2.2	.0	2.2	1.2	1.1	1.1	1.0	1.0	1.9	2.2	1.9
145.	*	.0	2.2	2.1	3.0	.0	4.3	3.2	1.2	1.2	2.2	.0	2.1	1.2	1.1	1.1	1.1	1.0	1.9	2.2	1.9
150.	*	.1	2.3	2.5	2.9	.1	4.3	3.3	1.2	1.2	2.3	.0	2.0	1.2	1.2	1.1	1.1	1.1	2.1	2.3	2.1
155.	*	.2	2.3	2.6	3.0	.2	4.1	3.3	1.1	1.2	2.3	.0	2.0	1.1	1.1	1.1	1.1	1.1	2.2	2.3	2.2
160.	*	.3	2.6	3.1	3.1	.3	4.2	3.2	1.1	1.4	2.6	.0	2.1	1.2	1.1	1.2	1.1	1.1	2.2	2.6	2.2
165.	*	.7	2.7	3.3	3.3	.7	4.3	3.2	1.1	1.8	2.7	.0	2.1	1.1	1.0	1.1	1.1	1.0	2.3	2.7	2.3
170.	*	1.3	2.7	3.6	3.9	1.3	4.1	3.2	1.0	2.2	2.7	.1	2.3	1.0	.9	1.0	1.0	.9	2.2	2.7	2.2
175.	*	2.0	2.5	3.5	4.2	2.0	4.2	3.1	.8	2.6	2.5	.3	2.6	.8	.6	.8	.8	.6	1.8	2.5	1.8
180.	*	2.7	1.9	3.3	4.5	2.6	3.6	2.7	.4	2.7	1.9	.6	3.1	.4	.4	.4	.4	.4	1.5	1.9	1.5
185.	*	3.2	1.4	3.0	4.5	3.2	2.9	2.6	.3	2.9	1.4	.8	3.4	.3	.2	.3	.3	.2	1.0	1.4	1.0
190.	*	3.5	.9	2.7	4.4	3.5	2.4	2.2	.0	2.8	.8	1.0	3.6	.0	.0	.0	.0	.0	.6	.9	.6
195.	*	3.5	.5	2.4	3.7	3.5	1.9	2.1	.0	2.8	.5	1.3	3.9	.0	.0	.0	.0	.0	.3	.5	.3
200.	*	3.4	.2	2.2	3.1	3.4	1.5	2.3	.0	2.7	.2	1.3	3.9	.0	.0	.0	.0	.0	.1	.2	.1
205.	*	3.1	.1	2.2	2.9	3.2	1.4	2.3	.0	2.7	.1	1.2	3.9	.0	.0	.0	.0	.0	.0	.1	.0
210.	*	3.0	.1	2.3	2.6	3.1	1.4	2.3	.1	2.4	.1	1.2	3.9	.1	.1	.0	.0	.0	.1	.1	.0
215.	*	2.9	.1	2.4	2.7	3.0	1.4	2.4	.1	2.8	.1	1.2	3.8	.1	.1	.0	.0	.0	.1	.1	.0
220.	*	2.7	.1	2.4	2.3	2.8	1.4	2.3	.1	3.1	.1	1.2	3.7	.1	.1	.0	.0	.0	.1	.1	.0
225.	*	2.5	.2	2.5	2.4	2.6	1.3	2.4	.1	3.0	.1	1.2	3.7	.1	.1	.0	.0	.0	.1	.1	.0
230.	*	2.3	.2	2.5	2.8	2.5	1.2	2.4	.1	3.2	.1	.9	3.7	.1	.1	.0	.0	.0	.1	.1	.0
235.	*	2.2	.1	2.8	2.9	2.4	1.3	2.6	.2	3.2	.0	.9	4.0	.2	.2	.0	.0	.0	.2	.0	.0
240.	*	2.0	.2	2.7	3.2	2.4	1.3	2.6	.2	3.3	.0	1.0	3.9	.2	.2	.0	.0	.0	.3	.0	.0
245.	*	2.1	.5	2.9	3.3	2.3	1.3	2.8	.5	3.2	.0	1.0	4.0	.5	.5	.0	.0	.0	.6	.0	.0
250.	*	2.2	.8	2.9	3.6	2.3	1.2	2.8	.8	3.2	.0	1.2	3.9	.8	.8	.1	.1	.1	.8	.2	.2
255.	*	2.5	1.3	2.8	3.7	2.2	1.0	2.7	1.3	2.9	.0	1.5	3.8	1.3	1.2	.4	.4	.4	1.3	.5	.5
260.	*	2.9	2.2	2.7	3.4	2.3	.7	2.5	2.1	2.8	.1	1.9	3.4	2.1	2.1	.9	.9	.9	2.3	1.0	1.0

265.	*	3.6	3.2	2.3	3.3	2.5	.5	2.2	2.9	2.4	.2	2.1	3.2	2.9	2.9	1.7	1.7	1.5	3.3	1.9	1.9
270.	*	4.1	4.0	1.8	2.8	2.9	.3	1.7	3.9	2.2	.3	2.9	2.4	3.9	3.9	2.3	2.3	2.3	4.1	2.6	2.5
275.	*	4.3	5.0	1.2	2.4	3.3	.1	1.1	4.7	2.0	.8	2.9	2.0	4.8	4.7	3.1	3.1	3.1	5.1	3.3	3.3
280.	*	4.1	5.4	.7	2.1	3.4	.0	.7	5.1	1.9	1.0	2.8	1.4	5.1	5.1	3.7	3.6	3.5	5.5	3.8	3.8
285.	*	3.7	5.5	.4	1.9	3.7	.0	.3	5.5	1.9	1.4	2.5	1.2	5.5	5.5	4.0	3.9	3.9	5.6	4.1	4.1
290.	*	3.1	5.3	.2	1.9	3.9	.0	.2	5.3	1.8	1.5	2.3	1.0	5.4	5.3	4.0	4.0	4.0	5.4	4.2	4.2
295.	*	2.7	5.1	.1	1.9	4.0	.0	.1	5.2	1.8	1.6	2.1	.9	5.2	5.2	4.0	3.9	3.9	5.2	4.1	4.1
300.	*	2.1	4.9	.1	1.9	4.0	.0	.1	5.1	1.8	1.7	2.0	.9	5.1	5.1	4.0	3.9	3.9	5.1	4.0	4.0
305.	*	1.9	4.5	.1	1.9	4.0	.0	.1	4.7	1.9	1.7	2.3	.9	4.7	4.7	3.8	3.8	3.8	4.8	3.8	3.9
310.	*	2.0	4.3	.1	2.1	3.8	.0	.1	4.6	2.0	1.8	2.2	.9	4.6	4.6	3.7	3.7	3.7	4.6	3.7	3.7
315.	*	1.8	4.1	.1	2.1	3.6	.0	.1	4.3	1.9	1.7	2.6	.9	4.3	4.3	3.6	3.6	3.6	4.3	3.6	3.6
320.	*	1.8	3.8	.0	2.3	3.5	.1	.0	4.1	2.1	1.8	2.7	.9	4.1	4.1	3.4	3.4	3.4	4.1	3.4	3.4
325.	*	2.0	3.7	.0	2.3	3.6	.1	.0	4.0	2.2	1.6	3.0	1.0	4.0	4.0	3.1	3.1	3.1	4.1	3.1	3.1
330.	*	2.0	3.5	.1	2.5	3.6	.1	.0	3.8	2.4	1.6	2.9	1.0	3.8	3.8	3.1	3.1	3.1	3.8	3.0	3.1
335.	*	2.5	3.1	.3	2.5	3.4	.3	.0	3.7	2.4	1.6	2.9	1.1	3.7	3.7	3.1	3.1	3.1	3.7	2.8	3.1
340.	*	2.9	3.0	.5	2.5	3.4	.4	.0	3.6	2.5	1.7	2.9	1.1	3.6	3.6	3.1	3.1	3.1	3.6	2.8	3.1
345.	*	3.3	3.2	1.0	2.8	3.5	1.0	.0	3.5	2.8	1.9	2.8	1.1	3.5	3.5	3.1	3.1	3.1	4.0	3.0	3.4
350.	*	3.5	3.7	1.8	2.7	3.4	1.7	.1	3.8	2.6	2.2	2.7	1.0	3.8	3.8	3.2	3.2	3.2	4.5	3.2	3.7
355.	*	3.4	3.8	2.4	2.5	3.1	2.3	.3	4.0	2.5	2.5	2.5	.8	4.1	4.0	3.5	3.4	3.4	4.8	3.6	4.0
360.	*	3.5	4.0	3.3	2.0	2.9	3.2	.5	4.4	2.0	2.7	2.2	.5	4.5	4.3	3.9	3.8	3.7	5.0	3.9	4.2
MAX	*	4.3	5.5	4.2	4.5	4.0	4.3	3.3	5.5	3.3	3.0	3.0	4.0	5.5	5.5	4.4	4.4	4.4	5.6	4.2	4.4
DEGR.	*	275	285	15	180	295	145	150	285	240	5	325	235	285	285	10	15	15	285	290	5

THE HIGHEST CONCENTRATION OF 5.60 PPM OCCURRED AT RECEPTOR REC18.

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CAL3QHCR (Dated: 95221)

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     JOB: UNIVERSITY & FIRST 2013 SCREENING                           RUN: UNIVERSITY & FIRST 2013

       ===================
       General Information
       ===================

         Run start date:  1/ 2/99    Julian:   2
               end date:  1/ 2/99    Julian:   2

         A Tier 1 approach was used for input data preparation.

         The MODE flag has been set to C for calculating CO averages.

         Ambient background concentrations are included in the averages below.


       Site & Meteorological Constants
       -------------------------------
         VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM     ATIM =  60.

           Met. Sfc. Sta. Id & Yr = 99999    99
           Upper Air Sta. Id & Yr = 99999    99

         Rural mixing heights were processed.

         In 1999, Julian day 1 is a Friday.


       Link Data Constants - (Variable data in *.LNK file)
       -------------------

             LINK DESCRIPTION     *         LINK COORDINATES (FT)          *   LENGTH   BRG  TYPE    H     W  NLANES
                                  *     X1         Y1         X2        Y2   *    (FT)   (DEG)      (FT)  (FT)
          ------------------------*----------------------------------------*----------------------------------------
           1. UNIVERSITY NB APPR  *     42.0   -1000.0       42.0        .0 *   1000.   360.  AG     .0  56.0
           2. UNIVERSITY NB  Q    *     42.0     -50.0       42.0   -1000.0 *    950.   180.  AG     .0  36.0    3
           3. UNIVERSITY NB  Q LEF*     12.0     -50.0       12.0    -300.0 *    250.   180.  AG     .0  24.0    2
           4. UNIVERSITY NB DEP.  *     42.0        .0       42.0    1000.0 *   1000.   360.  AG     .0  56.0
           5. UNIVERSITY NB R     *     66.0   -1000.0       66.0        .0 *   1000.   360.  AG     .0  12.0
           6. UNIVERSITY NB Q R   *     66.0     -53.1       66.0   -1003.1 *    950.   180.  AG     .0  12.0    1
           7. UNIVERSITY SB APPR  *    -42.0    1000.0      -42.0        .0 *   1000.   180.  AG     .0  56.0
           8. UNIVERSITY SB  Q    *    -42.0      60.0      -42.0    1000.0 *    940.   360.  AG     .0  36.0    3
           9. UNIVERSITY SB Q LEFT*    -12.0      60.0      -12.0    1000.0 *    940.   360.  AG     .0  24.0    2
          10. UNIVERSITY SB DEP.  *    -42.0        .0      -42.0   -1000.0 *   1000.   180.  AG     .0  56.0
          11. UNIVERSITY SB R     *    -66.0    1000.0      -66.0        .0 *   1000.   180.  AG     .0  12.0
          12. UNIVERSITY SB Q R   *    -66.0      60.0      -66.0    1000.0 *    940.   360.  AG     .0  12.0    1
          13. FIRST  EB APPR.     *  -1000.0     -25.0         .0     -25.0 *   1000.    90.  AG     .0  50.0
          14. FIRST EB QUEUE      *    -72.0     -25.0    -1000.0     -25.0 *    928.   270.  AG     .0  30.0    3
          15. FIRST .EB DEP.      *       .0     -25.0     1000.0     -25.0 *   1000.    90.  AG     .0  50.0
                                                     CAL3QHCR (Dated: 95221)

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JOB: UNIVERSITY & FIRST 2013 SCREENING   RUN: UNIVERSITY & FIRST 2013

Link Data Constants - (Variable data in *.LNK file)

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	H (FT)	W (FT)	NLANES
16. FIRST EB QUEUE LEF	-72.0	.0	-322.0	.0	250.	270.	AG	.0	10.0	1
17. FIRST EB R	-372.0	-45.0	-66.0	-45.0	306.	90.	AG	.0	10.0	
18. FIRST EB QUEUE R	-72.0	-45.0	-372.0	-45.0	300.	270.	AG	.0	10.0	1
19. FIRST WB APPR.	1000.0	35.0	.0	35.0	1000.	270.	AG	.0	50.0	
20. FIRST WB QUEUE	72.0	35.0	1000.0	35.0	928.	90.	AG	.0	30.0	3
21. FIRST WB DEP.	.0	35.0	-1000.0	35.0	1000.	270.	AG	.0	50.0	
22. FIRST WB QUEUE LEF	72.0	10.0	447.0	10.0	375.	90.	AG	.0	10.0	2
23. FIRST WB R	222.0	55.0	67.0	55.0	155.	270.	AG	.0	10.0	
24. FIRST WB QUEUE R	72.0	55.0	222.0	55.0	150.	90.	AG	.0	10.0	1

```
Receptor Data
     -------------

                           *          COORDINATES (FT)
       RECEPTOR            *         X          Y           Z
   ------------------------*-----------------------------------
    1. REC 1 (SE CORNER)   *       72.0      -50.0         6.0
    2. REC 2 (SW CORNER)   *      -72.0      -50.0         6.0
    3. REC 3 (NW CORNER)   *      -72.0       60.0         6.0
    4. REC 4 (NE CORNER)   *       72.0       60.0         6.0
    5. REC 5 (E NB)        *       72.0     -150.0         6.0
    6. REC 6 (W NB DEP)    *      -72.0      160.0         6.0
    7. REC 7 (N WB DEP)    *     -172.0       60.0         6.0
    8. REC 8 (S EB )       *     -172.0      -50.0         6.0
    9. REC9  (E NB DEP)    *       72.0      160.0         6.0
   10. REC10 (W SB DEP)    *      -72.0     -150.0         6.0
   11. REC11 (S EB DEP)    *      172.0      -50.0         6.0
   12. REC12 (N WB )       *      172.0       60.0         6.0
   13. REC13               *       72.0       70.0         6.0
   14. REC14               *       82.0       60.0         6.0
   15. REC15               *       82.0       70.0         6.0
   16. REC16               *      -82.0       60.0         6.0
   17. REC17               *      -72.0       70.0         6.0
   18. REC18               *      -82.0       70.0         6.0
   19. REC19               *      -72.0       80.0         6.0
   20. REC20               *      -82.0       80.0         6.0
                                          CAL3QHCR (Dated: 95221)

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JOB: UNIVERSITY & FIRST 2013 SCREENING                            RUN: UNIVERSITY & FIRST 2013

  Model Results
  -------------

    Remarks : In search of the wind direction corresponding
              to the maximum concentration, only the first
              direction, of the directions with the same maximum
              concentrations, is indicated as the maximum.

            * MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED
            *         (PPM)
            *    REC1    REC2    REC3    REC4    REC5    REC6    REC7    REC8    REC9    REC10
    --------*-------------------------------------------------------------------------------
    MAX+BKG *     4.4     4.2     5.1     5.0     3.0     4.9     3.5     5.8     3.0     2.9
    - BKG   *      .0      .0      .0      .0      .0      .0      .0      .0      .0      .0
    --------*-------------------------------------------------------------------------------
      MAX   *     4.4     4.2     5.1     5.0     3.0     4.9     3.5     5.8     3.0     2.9
    WIND DIR*    186      13      32     186     186     141     141      41     186      41
    JULIAN  *      2       2       2       2       2       2       2       2       2       2
    HOUR    *     13      19      12      13      13      14      14      22      13      22

            *    REC11   REC12   REC13   REC14   REC15   REC16   REC17   REC18   REC19   REC20
    --------*-------------------------------------------------------------------------------
    MAX+BKG *     2.8     4.6     4.6     5.9     5.1     3.8     4.9     3.6     4.7     3.4
    - BKG   *      .0      .0      .0      .0      .0      .0      .0      .0      .0      .0
    --------*-------------------------------------------------------------------------------
```

MAX *	2.8	4.6	4.6	5.9	5.1	3.8	4.9	3.6	4.7	3.4
WIND DIR*	41	186	186	186	186	41	32	41	32	141
JULIAN *	2	2	2	2	2	2	2	2	2	2
HOUR *	22	13	13	13	13	22	12	22	12	14

THE HIGHEST CONCENTRATION OF 5.90 PPM OCCURRED AT RECEPTOR REC14.

CAL3QHCR (Dated: 95221)

Output Section
==============

NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*). FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AVERAGES.

MAXIMUM 8-HOUR RUNNING NONOVERLAPPING AVERAGE CONCENTRATIONS
IN PARTS PER MILLION (PPM),
INCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Highest Conc	Highest Ending Day Hr	Highest Calm	Second highest Conc	Second highest Ending Day Hr	Second highest Calm
1	2.11	(2,24)	C 0	2.02	(2,13)	C 0
2	2.91	(2,24)	C 0	2.17	(2, 8)	C 0
3	4.19*	(2,24)	C 0	3.34	(2,15)	C 0
4	3.25	(2,19)	C 0	1.58	(2,23)	C 0
5	1.44	(2,24)	C 0	1.17	(2,13)	C 0
6	3.64	(2,19)	C 0	2.90	(2,16)	C 0
7	2.33	(2,18)	C 0	1.40	(2,15)	C 0
8	3.61	(2,24)	C 0	3.15	(2,12)	C 0
9	1.56	(2,19)	C 0	.74	(2,23)	C 0
10	2.22	(2,24)	C 0	1.59	(2,15)	C 0
11	1.83	(2,24)	C 0	1.64	(2,12)	C 0
12	3.13	(2,18)	C 0	1.50	(2,23)	C 0
13	2.90	(2,19)	C 0	1.39	(2,23)	C 0
14	3.50	(2,19)	C 0	1.64	(2,23)	C 0
15	2.98	(2,19)	C 0	1.35	(2,23)	C 0
16	3.09	(2,23)	C 0	2.74	(2,16)	C 0
17	4.14	(2,24)	C 0	3.36	(2,15)	C 0
18	2.95	(2,23)	C 0	2.56	(2,16)	C 0
19	4.08	(2,24)	C 0	3.46*	(2,16)	C 0
20	2.83	(2,19)	C 0	2.48	(2,16)	C 0

FIVE HIGHEST 1-HOUR END-TO-END AVERAGE CONCENTRATIONS IN PARTS PER MILLION
INCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Rcptr No.	Highest Conc	Highest Ending Day Hr	Highest Calm	Second Highest Conc	Second Highest Ending Day Hr	Second Highest Calm	Third Highest Conc	Third Highest Ending Day Hr	Third Highest Calm	Fourth Highest Conc	Fourth Highest Ending Day Hr	Fourth Highest Calm	Fifth Highest Conc	Fifth Highest Ending Day Hr	Fifth Highest Calm
1	4.40	(2,13)	C 0	2.90	(2,22)	C 0	2.70	(2,12)	C 0	2.70	(2,19)	C 0	2.70	(2,23)	C 0

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FIVE HIGHEST 1-HOUR END-TO-END AVERAGE CONCENTRATIONS IN PARTS PER MILLION
INCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Rcptr No.	Highest Conc	Highest Ending Day Hr	Highest Calm	Second Highest Conc	Second Highest Ending Day Hr	Second Highest Calm	Third Highest Conc	Third Highest Ending Day Hr	Third Highest Calm	Fourth Highest Conc	Fourth Highest Ending Day Hr	Fourth Highest Calm	Fifth Highest Conc	Fifth Highest Ending Day Hr	Fifth Highest Calm
2	4.20	(2,19)	C 0	4.00	(2,24)	C 0	3.50	(2, 1)	C 0	2.90	(2,12)	C 0	2.90	(2,23)	C 0
3	5.10	(2,12)	C 0	5.00	(2,23)	C 0	4.90	(2,22)	C 0	4.50	(2,19)	C 0	4.20	(2,20)	C 0
4	5.00	(2,13)	C 0	4.60	(2,14)	C 0	4.40	(2,18)	C 0	4.20	(2,15)	C 0	4.20	(2,17)	C 0
5	3.00	(2,13)	C 0	2.40	(2,19)	C 0	2.30	(2,24)	C 0	2.00	(2, 1)	C 0	1.60	(2,12)	C 0
6	4.90	(2,14)	C 0	4.80	(2,18)	C 0	4.10	(2,15)	C 0	4.10	(2,17)	C 0	3.50	(2,16)	C 0

7	3.50 (2,14) C 0	3.40 (2,18) C 0	2.80 (2,15) C 0	2.80 (2,17) C 0	2.40 (2,16) C 0
8	5.80 (2,22) C 0	5.30*(2,12) C 0	5.20 (2,23) C 0	4.60 (2,20) C 0	4.20 (2,21) C 0
9	3.00 (2,13) C 0	2.10 (2,15) C 0	2.10 (2,17) C 0	1.80 (2,18) C 0	1.70 (2,14) C 0
10	2.90 (2,22) C 0	2.70 (2,12) C 0	2.60 (2,19) C 0	2.60 (2,23) C 0	2.30 (2,20) C 0
11	2.80 (2,22) C 0	2.60 (2,12) C 0	2.60 (2,23) C 0	2.40 (2,19) C 0	2.40 (2,24) C 0
12	4.60 (2,13) C 0	4.40 (2,18) C 0	4.30 (2,14) C 0	4.20 (2,15) C 0	4.20 (2,17) C 0
13	4.60 (2,13) C 0	3.90 (2,15) C 0	3.90 (2,17) C 0	3.80 (2,14) C 0	3.70 (2,18) C 0
14	5.90*(2,13) C 0	4.70 (2,14) C 0	4.60 (2,18) C 0	4.50 (2,15) C 0	4.50 (2,17) C 0
15	5.10 (2,13) C 0	4.00 (2,14) C 0	3.90 (2,15) C 0	3.90 (2,17) C 0	3.70 (2,18) C 0
16	3.80 (2,22) C 0	3.70 (2,12) C 0	3.70 (2,23) C 0	3.30 (2,15) C 0	3.30 (2,17) C 0
17	4.90 (2,12) C 0	4.90 (2,23) C 0	4.80 (2,22) C 0	4.20 (2,19) C 0	4.00 (2,18) C 0
18	3.60 (2,22) C 0	3.40 (2,12) C 0	3.40 (2,23) C 0	3.20 (2,18) C 0	3.10 (2,14) C 0
19	4.70 (2,12) C 0	4.70 (2,23) C 0	4.60 (2,22) C 0	4.50 (2,14) C 0	4.30 (2,18) C 0
20	3.40 (2,14) C 0	3.30 (2,22) C 0	3.20 (2,12) C 0	3.20 (2,18) C 0	3.10 (2,23) C 0

CALM DURATION FREQUENCY

Hours of Consecutive Calm Winds	Frequency of Occurrence	(Julian day/hour ending) of Significant Occurrences

No calm wind hours were encountered during this processing period.

Program terminated normally
CAL3QHCR (Dated: 95221)
DATE : 8/ 5/99 PAGE: 1
TIME : 10:39:57

JOB: UNIVERSITY & FIRST 2006 SCREENING RUN: UNIVERSITY & FIRST 2006

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General Information
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Run start date: 1/ 2/99 Julian: 2
end date: 1/ 2/99 Julian: 2

A Tier 1 approach was used for input data preparation.

The MODE flag has been set to C for calculating CO averages.

Ambient background concentrations are included in the averages below.

Site & Meteorological Constants

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM ATIM = 60.

Met. Sfc. Sta. Id & Yr = 99999 99
Upper Air Sta. Id & Yr = 99999 99

Urban mixing heights were processed.

In 1999, Julian day 1 is a Friday.

Link Data Constants - (Variable data in *.LNK file)

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	H (FT)	W (FT)	NLANES
1. UNIVERSITY NB APPR	42.0	-1000.0	42.0	.0	1000.	360.	AG	.0	56.0	
2. UNIVERSITY NB Q	42.0	-50.0	42.0	-1000.0	950.	180.	AG	.0	36.0	3
3. UNIVERSITY NB Q LEF	12.0	-50.0	12.0	-300.0	250.	180.	AG	.0	24.0	2
4. UNIVERSITY NB DEP.	42.0	.0	42.0	1000.0	1000.	360.	AG	.0	56.0	
5. UNIVERSITY NB R	66.0	-1000.0	66.0	.0	1000.	360.	AG	.0	12.0	
6. UNIVERSITY NB Q R	66.0	-53.1	66.0	-1003.1	950.	180.	AG	.0	12.0	1
7. UNIVERSITY SB APPR	-42.0	1000.0	-42.0	.0	1000.	180.	AG	.0	56.0	
8. UNIVERSITY SB Q	-42.0	60.0	-42.0	1000.0	940.	360.	AG	.0	36.0	3
9. UNIVERSITY SB Q LEFT	-12.0	60.0	-12.0	1000.0	940.	360.	AG	.0	24.0	2
10. UNIVERSITY SB DEP.	-42.0	.0	-42.0	-1000.0	1000.	180.	AG	.0	56.0	
11. UNIVERSITY SB R	-66.0	1000.0	-66.0	.0	1000.	180.	AG	.0	12.0	
12. UNIVERSITY SB Q R	-66.0	60.0	-66.0	1000.0	940.	360.	AG	.0	12.0	1
13. FIRST EB APPR.	-1000.0	-25.0	.0	-25.0	1000.	90.	AG	.0	50.0	
14. FIRST EB QUEUE	-72.0	-25.0	-1000.0	-25.0	928.	270.	AG	.0	30.0	3
15. FIRST .EB DEP.	.0	-25.0	1000.0	-25.0	1000.	90.	AG	.0	50.0	

CAL3QHCR (Dated: 95221)

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JOB: UNIVERSITY & FIRST 2006 SCREENING RUN: UNIVERSITY & FIRST 2006

Link Data Constants - (Variable data in *.LNK file)

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	H (FT)	W (FT)	NLANES
16. FIRST EB QUEUE LEF	-72.0	.0	-322.0	.0	250.	270.	AG	.0	10.0	1
17. FIRST EB R	-372.0	-45.0	-66.0	-45.0	306.	90.	AG	.0	10.0	
18. FIRST EB QUEUE R	-72.0	-45.0	-372.0	-45.0	300.	270.	AG	.0	10.0	1
19. FIRST WB APPR.	1000.0	35.0	.0	35.0	1000.	270.	AG	.0	50.0	
20. FIRST WB QUEUE	72.0	35.0	1000.0	35.0	928.	90.	AG	.0	30.0	3
21. FIRST WB DEP.	.0	35.0	-1000.0	35.0	1000.	270.	AG	.0	50.0	
22. FIRST WB QUEUE LEF	72.0	10.0	447.0	10.0	375.	90.	AG	.0	10.0	2
23. FIRST WB R	222.0	55.0	67.0	55.0	155.	270.	AG	.0	10.0	
24. FIRST WB QUEUE R	72.0	55.0	222.0	55.0	150.	90.	AG	.0	10.0	1

Receptor Data

RECEPTOR	X	Y	Z
1. REC 1 (SE CORNER)	72.0	-50.0	6.0
2. REC 2 (SW CORNER)	-72.0	-50.0	6.0
3. REC 3 (NW CORNER)	-72.0	60.0	6.0
4. REC 4 (NE CORNER)	72.0	60.0	6.0
5. REC 5 (E NB)	72.0	-150.0	6.0
6. REC 6 (W NB DEP)	-72.0	160.0	6.0

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   7. REC 7 (N WB DEP)     *      -172.0       60.0        6.0
   8. REC 8 (S EB )        *      -172.0      -50.0        6.0
   9. REC9  (E NB DEP)     *        72.0      160.0        6.0
  10. REC10 (W SB DEP)     *       -72.0     -150.0        6.0
  11. REC11 (S EB DEP)     *       172.0      -50.0        6.0
  12. REC12 (N WB )        *       172.0       60.0        6.0
  13. REC13                *        72.0       70.0        6.0
  14. REC14                *        82.0       60.0        6.0
  15. REC15                *        82.0       70.0        6.0
  16. REC16                *       -82.0       60.0        6.0
  17. REC17                *       -72.0       70.0        6.0
  18. REC18                *       -82.0       70.0        6.0
  19. REC19                *       -72.0       80.0        6.0
  20. REC20                *       -82.0       80.0        6.0
                                                  CAL3QHCR (Dated: 95221)

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JOB: UNIVERSITY & FIRST 2006 SCREENING                           RUN: UNIVERSITY & FIRST 2006

  Model Results
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    Remarks : In search of the wind direction corresponding
              to the maximum concentration, only the first
              direction, of the directions with the same maximum
              concentrations, is indicated as the maximum.

          * MAXIMUM HOURLY CONCENTRATIONS WITH ANY AMBIENT BACKGROUND CONCENTRATIONS (BKG) ADDED
          *         (PPM)
          *    REC1    REC2    REC3    REC4    REC5    REC6    REC7    REC8    REC9    REC10
    --------*------------------------------------------------------------------------------
    MAX+BKG *     4.6     4.6     5.1     5.4     3.3     5.2     3.6     6.1     3.2     3.1
    - BKG   *      .0      .0      .0      .0      .0      .0      .0      .0      .0      .0
    --------*------------------------------------------------------------------------------
      MAX   *     4.6     4.6     5.1     5.4     3.3     5.2     3.6     6.1     3.2     3.1
    WIND DIR*    186      13      32     186     186     146     141      41     186      41
    JULIAN  *      2       2       2       2       2       2       2       2       2       2
    HOUR    *     13      19      12      13      13      18      14      22      13      22

          *    REC11   REC12   REC13   REC14   REC15   REC16   REC17   REC18   REC19   REC20
    --------*------------------------------------------------------------------------------
    MAX+BKG *     3.0     4.8     4.8     6.3     5.5     4.0     4.9     3.7     4.7     3.4
    - BKG   *      .0      .0      .0      .0      .0      .0      .0      .0      .0      .0
    --------*------------------------------------------------------------------------------
      MAX   *     3.0     4.8     4.8     6.3     5.5     4.0     4.9     3.7     4.7     3.4
    WIND DIR*     41     186     186     186     186      41      32      41      32     141
    JULIAN  *      2       2       2       2       2       2       2       2       2       2
    HOUR    *     22      13      13      13      13      22      12      22      12      14

THE HIGHEST CONCENTRATION OF  6.30 PPM OCCURRED AT RECEPTOR REC14.

                                                  CAL3QHCR (Dated: 95221)
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     TIME : 10:39:58

JOB: UNIVERSITY & FIRST 2006 SCREENING                           RUN: UNIVERSITY & FIRST 2006
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Output Section
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NOTES PERTAINING TO THE REPORT

1. THE HIGHEST AVERAGE IN EACH OF THE FIRST TWO COLUMNS OF EACH TABLE BELOW ARE SUFFIXED BY AN ASTERISK (*). FOR PM OUTPUT, THERE IS ONLY ONE COLUMN AND ASTERISK FOR THE ANNUAL AVERAGE/PERIOD OF CONCERN TABLE.

2. THE NUMBERS IN PARENTHESES ARE THE JULIAN DAY AND ENDING HOUR FOR THE PRECEDING AVERAGE.

3. THE NUMBER OF CALM HOURS USED IN PRODUCING EACH AVERAGE ARE PREFIXED BY A C.

PRIMARY AVERAGES.

MAXIMUM 8-HOUR RUNNING NONOVERLAPPING AVERAGE CONCENTRATIONS
IN PARTS PER MILLION (PPM),
INCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Receptor Number	Highest Conc	Highest Ending Day Hr	Highest Calm	Second highest Conc	Second highest Ending Day Hr	Second highest Calm
1	2.28	(2,24)	C 0	2.24	(2,13)	C 0
2	3.10	(2,24)	C 0	2.35	(2, 8)	C 0
3	4.30	(2,24)	C 0	3.42	(2,15)	C 0
4	3.50	(2,19)	C 0	1.70	(2,23)	C 0
5	1.54	(2,24)	C 0	1.27	(2,13)	C 0
6	3.84	(2,19)	C 0	3.04	(2,16)	C 0
7	2.44	(2,18)	C 0	1.45	(2,15)	C 0
8	3.84	(2,24)	C 0	3.34	(2,12)	C 0
9	1.63	(2,19)	C 0	.76	(2,23)	C 0
10	2.40	(2,24)	C 0	1.71	(2,15)	C 0
11	1.96	(2,24)	C 0	1.75	(2,12)	C 0
12	3.25	(2,18)	C 0	1.55	(2,23)	C 0
13	3.10	(2,19)	C 0	1.50	(2,23)	C 0
14	3.74	(2,19)	C 0	1.74	(2,23)	C 0
15	3.23	(2,19)	C 0	1.48	(2,23)	C 0
16	3.21	(2,23)	C 0	2.81	(2,16)	C 0
17	4.32*	(2,24)	C 0	3.50	(2,16)	C 0
18	3.06	(2,18)	C 0	2.69	(2,16)	C 0
19	4.27	(2,24)	C 0	3.56*	(2,16)	C 0
20	2.97	(2,18)	C 0	2.57	(2,16)	C 0

FIVE HIGHEST 1-HOUR END-TO-END AVERAGE CONCENTRATIONS IN PARTS PER MILLION
INCLUDING AMBIENT BACKGROUND CONCENTRATIONS.

Rcptr No.	Highest Conc	Highest Ending Day Hr	Highest Calm	Second Highest Conc	Second Highest Ending Day Hr	Second Highest Calm	Third Highest Conc	Third Highest Ending Day Hr	Third Highest Calm	Fourth Highest Conc	Fourth Highest Ending Day Hr	Fourth Highest Calm	Fifth Highest Conc	Fifth Highest Ending Day Hr	Fifth Highest Calm
1	4.60	(2,13)	C 0	3.10	(2,22)	C 0	3.00	(2,12)	C 0	3.00	(2,23)	C 0	2.90	(2,19)	C 0
2	4.60	(2,19)	C 0	4.20	(2,24)	C 0	3.70	(2, 1)	C 0	3.30	(2,23)	C 0	3.10	(2,12)	C 0
3	5.10	(2,12)	C 0	5.10	(2,23)	C 0	5.00	(2,22)	C 0	4.60	(2,19)	C 0	4.50	(2,20)	C 0
4	5.40	(2,13)	C 0	5.00	(2,14)	C 0	4.80	(2,18)	C 0	4.50	(2,15)	C 0	4.50	(2,17)	C 0
5	3.30	(2,13)	C 0	2.60	(2,24)	C 0	2.40	(2,19)	C 0	2.10	(2, 1)	C 0	1.60	(2,12)	C 0
6	5.20	(2,18)	C 0	5.10	(2,14)	C 0	4.20	(2,15)	C 0	4.20	(2,17)	C 0	3.70	(2,16)	C 0
7	3.60	(2,14)	C 0	3.60	(2,18)	C 0	3.00	(2,15)	C 0	3.00	(2,17)	C 0	2.40	(2,13)	C 0
8	6.10	(2,22)	C 0	5.70*	(2,12)	C 0	5.70	(2,23)	C 0	4.70	(2,20)	C 0	4.60	(2,21)	C 0
9	3.20	(2,13)	C 0	2.10	(2,15)	C 0	2.10	(2,17)	C 0	1.90	(2,14)	C 0	1.90	(2,18)	C 0

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 10    3.10 (  2,22) C 0    2.90 (  2,23) C 0    2.80 (  2,12) C 0    2.80 (  2,19) C 0    2.40 (  2,20) C 0
 11    3.00 (  2,22) C 0    2.80 (  2,12) C 0    2.80 (  2,19) C 0    2.80 (  2,23) C 0    2.40 (  2,20) C 0
 12    4.80 (  2,13) C 0    4.50 (  2,14) C 0    4.40 (  2,15) C 0    4.40 (  2,17) C 0    4.40 (  2,18) C 0
 13    4.80 (  2,13) C 0    4.20 (  2,14) C 0    4.10 (  2,15) C 0    4.10 (  2,17) C 0    4.10 (  2,18) C 0
 14    6.30*(  2,13) C 0    5.00 (  2,14) C 0    4.90 (  2,15) C 0    4.90 (  2,17) C 0    4.90 (  2,18) C 0
 15    5.50 (  2,13) C 0    4.30 (  2,15) C 0    4.30 (  2,17) C 0    4.20 (  2,14) C 0    4.00 (  2,18) C 0
 16    4.00 (  2,22) C 0    3.70 (  2,12) C 0    3.70 (  2,23) C 0    3.40 (  2,15) C 0    3.40 (  2,17) C 0
 17    4.90 (  2,12) C 0    4.90 (  2,23) C 0    4.80 (  2,22) C 0    4.40 (  2,19) C 0    4.30 (  2,20) C 0
 18    3.70 (  2,22) C 0    3.40 (  2,12) C 0    3.40 (  2,15) C 0    3.40 (  2,17) C 0    3.40 (  2,23) C 0
 19    4.70 (  2,12) C 0    4.70 (  2,18) C 0    4.70 (  2,22) C 0    4.70 (  2,23) C 0    4.60 (  2,14) C 0
 20    3.40 (  2,14) C 0    3.40 (  2,18) C 0    3.40 (  2,22) C 0    3.20 (  2,12) C 0    3.20 (  2,15) C 0
                                              CAL3QHCR (Dated: 95221)

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TIME : 10:39:58

JOB: UNIVERSITY & FIRST 2006 SCREENING                                  RUN: UNIVERSITY & FIRST 2006


                                                         CALM DURATION FREQUENCY

      Hours of     Frequency
    Consecutive       of
    Calm Winds     Occurrence    (Julian day/hour ending) of Significant Occurrences


      No calm wind hours were encountered during this processing period.

Program terminated normally
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CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: HAMPDEN 2006 SCREENING RUN: HAMPDEN 2006

DATE : 8/ 3/99
TIME : 13: 3:35

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. UNIVERSITY NB APPR	32.0	-1000.0	32.0	.0	1000.	360.	AG	1104.	8.7	.0	45.0		
2. UNIVERSITY NB Q	32.0	-59.0	32.0	-291.4	232.	180.	AG	446.	100.0	.0	25.0	.85	11.8
3. UNIVERSITY NB Q LEF	9.0	-59.0	9.0	-719.1	660.	180.	AG	609.	100.0	.0	19.0	1.28	33.5
4. UNIVERSITY NB DEP.	32.0	.0	32.0	1000.0	1000.	360.	AG	1459.	8.7	.0	45.0		
5. UNIVERSITY NB FR	52.0	-1000.0	52.0	.0	1000.	360.	AG	371.	8.7	.0	16.0		
6. UNIVERSITY SB APPR	-24.0	1000.0	-24.0	.0	1000.	180.	AG	1175.	8.7	.0	47.0		
7. UNIVERSITY SB Q	-24.0	74.0	-24.0	454.2	380.	360.	AG	469.	100.0	.0	27.0	1.01	19.3
8. UNIVERSITY SB Q LEFT	.0	74.0	.0	620.5	547.	360.	AG	316.	100.0	.0	11.0	1.37	27.8
9. UNIVERSITY SB DEP.	-24.0	.0	-24.0	-1000.0	1000.	180.	AG	2039.	8.7	.0	47.0		
10. UNIVERSITY SB FR	-49.0	1000.0	-49.0	.0	1000.	180.	AG	176.	8.7	.0	22.0		
11. HAMPDEN EB APPR.	-1000.0	-29.5	.0	-29.5	1000.	90.	AG	2238.	7.3	.0	55.0		
12. HAMPDEN EB QUEUE	-60.0	-29.5	-615.4	-29.5	555.	270.	AG	626.	100.0	.0	35.0	1.02	28.2
13. HAMPDEN .EB DEP.	.0	-29.5	1000.0	-29.5	1000.	90.	AG	2759.	7.3	.0	55.0		
14. HAMPDEN EB QUEUE LEF	-60.0	.0	-989.2	-.2	929.	270.	AG	307.	100.0	.0	12.0	1.47	47.2
15. HAMPDEN EB FR	-335.0	-53.0	.0	-53.0	335.	90.	AG	298.	7.3	.0	12.0		
16. HAMPDEN WB APPR.	1000.0	43.0	.0	43.0	1000.	270.	AG	2505.	7.3	.0	57.0		
17. HAMPDEN WB QUEUE	60.0	43.0	868.3	43.0	808.	90.	AG	591.	100.0	.0	37.0	1.05	41.1
18. HAMPDEN WB DEP.	.0	43.0	-1000.0	43.0	1000.	270.	AG	3126.	7.3	.0	57.0		
19. HAMPDEN WB QUEUE LEF	60.0	12.0	895.0	12.0	835.	90.	AG	591.	100.0	.0	24.0	1.28	42.4
20. HAMPDEN WB R	60.0	96.0	95.0	61.0	49.	135.	AG	123.	7.3	.0	13.0		
21. HAMPDEN WB QUEUE R	60.0	96.0	92.3	63.7	46.	135.	AG	197.	100.0	.0	13.0	.15	2.3

PAGE 2

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. UNIVERSITY NB Q	120	77	2.0	1104	2000	129.64	2	3
3. UNIVERSITY NB Q LEF	120	105	2.0	445	1900	129.64	2	3
7. UNIVERSITY SB Q	120	81	2.0	1175	2000	129.64	2	3
8. UNIVERSITY SB Q LEFT	120	109	2.0	151	1900	129.64	2	3
12. HAMPDEN EB QUEUE	120	72	2.0	2238	2000	129.64	1	3
14. HAMPDEN EB QUEUE LEF	120	106	2.0	232	1900	129.64	2	3
17. HAMPDEN WB QUEUE	120	68	2.0	2505	2000	129.64	1	3
19. HAMPDEN WB QUEUE LEF	120	102	2.0	566	1900	129.64	2	3
21. HAMPDEN WB QUEUE R	120	68	2.0	123	2000	129.64	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. REC 1 (SE CORNER)	60.0	-59.0	6.0
2. REC 2 (SW CORNER)	-48.0	-60.0	6.0
3. REC 3 (NW CORNER)	-60.0	72.0	6.0
4. REC 4 (NE CORNER)	99.0	74.0	6.0
5. REC 5 (E MID-MAIN)	60.0	-159.0	6.0
6. REC 6 (W MID-MAIN)	-48.0	-159.0	6.0
7. REC 7 (N MID-LOCAL)	-170.0	74.0	6.0
8. REC 8 (S MID-LOCAL)	-170.0	-60.0	6.0
9. REC9	54.0	172.0	6.0
10. REC10	-60.0	172.0	6.0
11. REC11	154.0	74.0	6.0
12. REC12	170.0	-60.0	6.0
13. REC13	99.0	84.0	6.0
14. REC14	109.0	74.0	6.0
15. REC15	109.0	84.0	6.0
16. REC16	89.0	84.0	6.0

JOB: HAMPDEN 2006 SCREENING RUN: HAMPDEN 2006
WIND ANGLE RANGE: 5.-360.

ANGLE (DEGR)	*	REC1 (PPM)	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16
5.	*	2.9	3.2	2.0	.2	2.0	2.6	.2	3.4	.8	1.8	.0	2.5	.1	.1	.1	.2
10.	*	2.7	2.9	2.3	.1	1.9	2.4	.4	3.5	.5	2.2	.0	2.5	.1	.0	.0	.1
15.	*	2.5	3.0	2.5	.0	1.6	2.4	.5	3.7	.3	2.3	.0	2.5	.0	.0	.0	.0
20.	*	2.5	2.6	2.6	.0	1.5	2.5	.7	3.8	.2	2.5	.0	2.5	.0	.0	.0	.0
25.	*	2.5	2.5	2.6	.0	1.5	2.7	.8	3.8	.1	2.5	.0	2.6	.0	.0	.0	.0
30.	*	2.6	2.2	2.5	.0	1.5	2.8	.8	3.9	.1	2.5	.0	2.6	.0	.0	.0	.0
35.	*	2.6	2.4	2.5	.0	1.5	2.9	.9	3.9	.1	2.4	.0	2.6	.0	.0	.0	.0
40.	*	2.7	2.3	2.3	.0	1.5	3.3	.9	3.8	.0	2.2	.0	2.7	.0	.0	.0	.0
45.	*	2.8	2.5	2.3	.0	1.5	3.6	1.0	4.1	.0	2.2	.0	2.8	.0	.0	.0	.0
50.	*	3.0	2.6	2.2	.0	1.6	3.7	1.0	3.9	.0	2.1	.0	2.9	.0	.0	.0	.0
55.	*	3.0	3.0	2.2	.1	1.7	3.9	1.0	4.1	.0	2.1	.1	3.0	.0	.1	.0	.0
60.	*	3.2	3.3	2.1	.1	1.7	4.0	.9	4.4	.0	2.1	.1	3.0	.0	.1	.0	.0
65.	*	3.3	3.6	2.2	.2	1.6	3.9	.9	4.2	.0	2.1	.2	3.2	.0	.2	.0	.0
70.	*	3.4	3.9	2.2	.4	1.5	3.7	1.1	4.4	.0	2.1	.4	3.3	.2	.4	.2	.2
75.	*	3.4	4.2	2.5	.8	1.2	3.6	1.4	4.4	.0	2.1	.7	3.1	.4	.8	.4	.5
80.	*	3.1	4.3	3.1	1.4	.9	3.2	1.9	4.4	.1	2.2	1.3	2.9	.9	1.4	.9	.9
85.	*	2.6	4.0	3.7	2.3	.7	3.1	2.4	3.8	.3	2.4	2.3	2.4	1.6	2.3	1.5	1.6
90.	*	2.0	3.7	4.4	3.3	.3	2.6	2.9	3.3	.4	2.7	3.1	1.7	2.3	3.3	2.3	2.3
95.	*	1.4	3.2	4.6	4.0	.2	2.5	3.3	2.4	.9	3.1	4.0	1.2	3.1	4.0	3.1	3.2
100.	*	.8	2.5	4.6	4.6	.0	2.2	3.1	1.9	1.3	3.4	4.6	.7	3.7	4.6	3.7	3.7
105.	*	.4	2.3	4.4	4.9	.0	2.2	2.9	1.5	1.7	3.8	4.8	.4	4.1	4.8	4.1	4.1
110.	*	.2	2.1	3.7	4.9	.0	2.2	2.8	1.2	1.9	4.0	4.9	.2	4.0	4.9	4.0	4.0
115.	*	.1	2.2	3.3	4.7	.0	2.2	2.5	1.1	1.9	4.1	4.7	.1	3.9	4.7	3.9	3.9
120.	*	.1	2.3	2.6	4.6	.0	2.4	2.4	1.2	1.9	4.0	4.6	.1	3.8	4.6	3.8	3.8
125.	*	.1	2.4	2.4	4.2	.0	2.4	2.4	1.1	1.9	3.8	4.2	.1	3.6	4.2	3.6	3.6
130.	*	.1	2.4	2.2	4.1	.0	2.4	2.6	1.1	1.9	3.7	4.1	.0	3.5	4.1	3.5	3.5
135.	*	.1	2.6	2.2	3.8	.0	2.5	2.9	1.0	1.8	3.3	3.8	.0	3.4	3.8	3.4	3.4
140.	*	.0	2.7	2.2	3.7	.0	2.5	2.9	1.0	1.6	3.2	3.7	.0	3.2	3.7	3.2	3.3
145.	*	.0	2.6	2.3	3.6	.0	2.4	3.0	.9	1.8	3.2	3.6	.0	3.2	3.6	3.2	3.3
150.	*	.0	2.8	2.5	3.5	.0	2.5	2.9	.9	1.8	3.0	3.5	.0	3.1	3.5	3.1	3.3
155.	*	.0	2.8	2.8	3.3	.0	2.6	3.0	.8	1.7	2.9	3.3	.0	3.1	3.3	3.1	3.3
160.	*	.3	2.7	3.0	3.3	.2	2.5	2.8	.7	1.8	3.0	3.3	.0	3.0	3.3	3.0	3.3
165.	*	.5	2.7	3.2	3.3	.4	2.4	2.7	.6	1.9	2.8	3.3	.0	3.0	3.3	3.0	3.5
170.	*	1.0	2.5	3.2	3.5	.7	2.3	2.6	.5	2.4	2.4	3.3	.0	3.2	3.4	3.1	3.7
175.	*	1.6	2.1	3.0	3.9	1.3	1.9	2.3	.2	2.4	2.5	3.5	.0	3.6	3.9	3.5	4.2
180.	*	2.2	1.7	2.7	4.3	2.0	1.6	2.2	.2	2.7	2.2	3.8	.1	3.9	4.1	3.7	4.6
185.	*	2.9	1.2	2.4	4.8	2.4	1.2	2.0	.0	2.7	1.8	4.0	.4	4.4	4.7	4.3	4.8
190.	*	3.4	.7	2.2	4.9	3.0	.7	2.0	.0	2.8	1.4	4.1	.5	4.6	4.8	4.5	4.9
195.	*	3.7	.4	2.1	5.1	3.3	.4	1.9	.0	2.6	1.2	4.3	.7	4.7	4.8	4.5	5.1
200.	*	3.8	.2	2.0	4.9	3.6	.2	2.0	.0	2.1	1.1	4.5	.9	4.7	4.8	4.6	4.8
205.	*	3.8	.1	2.0	4.7	3.6	.1	2.0	.0	2.2	1.2	4.6	1.0	4.4	4.8	4.3	4.2
210.	*	3.5	.1	2.0	4.5	3.4	.1	2.0	.0	2.2	1.2	4.8	1.1	4.0	4.4	3.9	3.8
215.	*	3.5	.1	2.1	4.1	3.4	.1	2.1	.0	2.2	1.2	4.6	1.2	3.7	4.4	3.7	3.5
220.	*	3.4	.1	2.4	3.9	3.3	.1	2.3	.0	2.5	1.2	4.6	1.2	3.1	4.1	3.4	3.1
225.	*	3.2	.1	2.4	3.8	3.1	.1	2.4	.0	2.8	1.3	4.5	1.2	3.0	3.6	3.1	2.9
230.	*	3.1	.0	2.5	3.8	3.0	.0	2.4	.0	2.9	1.3	4.2	1.2	3.0	3.7	3.2	2.9
235.	*	3.0	.0	2.5	3.6	2.9	.0	2.5	.0	2.9	1.2	4.3	1.3	2.9	3.7	3.0	2.9
240.	*	2.9	.1	2.7	3.7	2.9	.0	2.6	.1	2.8	1.2	4.4	1.3	3.0	3.7	3.0	3.1
245.	*	2.9	.2	2.8	3.8	2.9	.0	2.6	.2	3.0	1.2	4.1	1.3	3.1	3.7	3.2	3.3
250.	*	2.9	.3	2.8	3.9	2.8	.0	2.6	.3	2.8	1.0	4.1	1.4	3.2	3.9	3.2	3.6
255.	*	3.1	.7	2.8	3.9	2.8	.0	2.5	.6	2.5	.8	4.0	1.6	3.3	3.8	3.3	3.5
260.	*	3.4	1.3	2.4	3.9	2.8	.0	2.3	1.2	2.5	.7	3.5	2.1	3.1	3.8	3.1	3.3
265.	*	3.7	2.0	2.1	3.4	3.0	.1	1.9	1.9	2.2	.5	3.3	2.3	2.8	3.2	2.7	3.2

270.	*	4.2	2.9	1.7	3.0	3.3	.4	1.4	2.8	2.0	.2	2.6	2.6	2.5	2.7	2.4	2.7
275.	*	4.4	3.6	1.2	2.6	3.4	.6	1.0	3.4	1.8	.1	2.3	2.8	2.1	2.6	2.0	2.4
280.	*	4.3	4.1	.8	2.3	3.9	.9	.6	3.9	1.7	.0	1.7	2.7	1.7	2.0	1.6	2.1
285.	*	3.8	4.2	.4	1.9	4.0	1.2	.3	4.2	1.6	.0	1.2	2.7	1.4	1.6	1.2	1.9
290.	*	3.3	4.1	.2	1.8	4.2	1.4	.2	4.2	1.6	.0	1.1	2.6	1.5	1.5	1.3	1.8
295.	*	2.8	3.9	.2	1.8	4.4	1.5	.1	4.1	1.7	.0	1.1	2.4	1.3	1.5	1.2	1.6
300.	*	2.6	3.8	.1	1.7	4.4	1.5	.1	4.0	1.7	.0	1.0	2.5	1.3	1.5	1.2	1.6
305.	*	2.2	3.5	.1	1.5	4.1	1.5	.1	3.7	1.7	.0	1.0	2.6	1.2	1.3	1.2	1.5
310.	*	1.9	3.2	.1	1.4	4.0	1.4	.1	3.6	1.8	.0	.9	2.6	1.2	1.2	1.1	1.4
315.	*	1.9	3.2	.1	1.4	4.0	1.5	.1	3.5	1.9	.0	.9	3.0	1.2	1.2	1.1	1.4
320.	*	2.3	2.9	.1	1.4	3.8	1.4	.0	3.3	1.9	.0	.9	3.3	1.2	1.1	1.1	1.5
325.	*	2.1	2.7	.1	1.3	3.9	1.4	.0	3.1	2.0	.0	.9	3.3	1.2	1.2	1.2	1.5
330.	*	2.5	2.5	.0	1.4	3.7	1.4	.0	3.1	2.0	.0	.8	3.3	1.3	1.2	1.2	1.4
335.	*	2.5	2.3	.0	1.3	3.6	1.3	.0	3.0	2.0	.0	.7	3.2	1.2	1.1	1.1	1.4
340.	*	2.9	2.3	.1	1.2	3.3	1.4	.0	3.0	2.0	.1	.7	3.1	1.2	1.0	1.0	1.3
345.	*	3.1	2.3	.2	1.0	3.5	1.5	.0	3.0	1.9	.2	.6	3.2	1.0	.9	.9	1.1
350.	*	3.2	2.5	.6	.8	3.1	1.6	.0	3.0	1.7	.5	.4	2.9	.8	.7	.6	.9
355.	*	3.1	2.7	1.0	.6	2.6	2.0	.0	3.0	1.3	.9	.2	2.7	.6	.5	.5	.7
360.	*	2.9	2.8	1.4	.5	2.2	2.2	.0	3.1	1.1	1.3	.1	2.6	.4	.2	.2	.5
MAX	*	4.4	4.3	4.6	5.1	4.4	4.0	3.3	4.4	3.0	4.1	4.9	3.3	4.7	4.9	4.6	5.1
DEGR.	*	275	80	95	195	295	60	95	60	245	115	110	70	195	110	200	195

THE HIGHEST CONCENTRATION OF 5.10 PPM OCCURRED AT RECEPTOR REC4 .

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: PARKER & ILLIF RUN: PARKER & ILLIF 2006 SCREENING

DATE : 8/ 3/99
TIME : 12:24:43

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. PARKER NB APPR	1024.0	-1000.0	24.0	.0	1414.	315.	AG	1555.	6.3	.0	49.0		
2. PARKER NB Q	72.0	-49.0	938.1	-915.1	1225.	135.	AG	429.	100.0	.0	29.0	1.11	62.2
3. PARKER NB Q LEF	65.0	-59.0	1858.9	-1852.9	2537.	135.	AG	296.	100.0	.0	12.0	2.00	128.9
4. PARKER NB DEP.	24.0	.0	-976.0	1000.0	1414.	315.	AG	2004.	6.3	.0	49.0		
5. PARKER NB R	113.5	-54.0	313.5	-254.0	283.	135.	AG	33.	6.3	.0	12.0		
6. PARKER SB APPR	-1030.0	1000.0	-30.0	.0	1414.	135.	AG	1260.	6.3	.0	64.0		
7. PARKER SB Q	-92.5	62.0	-300.2	269.7	294.	315.	AG	429.	100.0	.0	41.0	.90	14.9
8. PARKER SB Q LEFT	-75.0	69.0	-1798.4	1782.9	2431.	315.	AG	296.	100.0	.0	16.0	1.96	123.5
9. PARKER SB DEP.	-30.0	.0	970.0	-1000.0	1414.	135.	AG	1873.	6.3	.0	64.0		
10. ILLIF EB APPR.	-1000.0	-26.0	.0	-26.0	1000.	90.	AG	1435.	7.3	.0	45.0		
11. ILLIF EB QUEUE	-57.0	-26.0	-776.9	-26.0	720.	270.	AG	435.	100.0	.0	25.0	1.05	36.6
12. ILLIF .EB DEP.	.0	-26.0	1000.0	-26.0	1000.	90.	AG	1900.	7.3	.0	45.0		
13. ILLIF EB QUEUE LE	-75.0	.0	-923.6	-.3	849.	270.	AG	316.	100.0	.0	13.0	1.63	43.1
14. ILLIF EB R	-1000.0	-48.5	.0	-48.5	1000.	90.	AG	529.	7.3	.0	21.0		
15. ILLIF EB QUEUE R	-26.0	-48.5	-242.9	-48.5	217.	270.	AG	217.	100.0	.0	21.0	.77	11.0
16. ILLIF WB APPR.	1000.0	34.0	.0	34.0	1000.	270.	AG	1198.	7.3	.0	57.0		
17. ILLIF WB QUEUE	41.0	34.0	291.6	34.0	251.	90.	AG	435.	100.0	.0	37.0	.88	12.7
18. ILLIF WB DEP.	.0	34.0	-1000.0	34.0	1000.	270.	AG	1689.	7.3	.0	57.0		
19. ILLIF WB QUEUE LE	58.0	7.5	112.4	7.5	54.	90.	AG	316.	100.0	.0	15.0	.76	2.8
20. ILLIF WB R	225.0	65.5	.0	65.5	225.	270.	AG	269.	7.3	.0	27.0		
21. ILLIF WB QUEUE R	.0	65.5	110.3	65.5	110.	90.	AG	217.	100.0	.0	27.0	.39	5.6

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. PARKER NB Q	120	74	2.0	1555	2000	129.64	1	3
3. PARKER NB Q LEF	120	102	2.0	443	1900	129.64	2	3
7. PARKER SB Q	120	74	2.0	1260	2000	129.64	1	3
8. PARKER SB Q LEFT	120	102	2.0	433	1900	129.64	2	3
11. ILLIF EB QUEUE	120	75	2.0	1435	2000	129.64	2	3
13. ILLIF EB QUEUE LE	120	109	2.0	179	1900	129.64	2	3
15. ILLIF EB QUEUE R	120	75	2.0	529	2000	129.64	2	3
17. ILLIF WB QUEUE	120	75	2.0	1198	2000	129.64	2	3
19. ILLIF WB QUEUE LE	120	109	2.0	84	1900	129.64	2	3
21. ILLIF WB QUEUE R	120	75	2.0	269	2000	129.64	2	3

RECEPTOR LOCATIONS

* COORDINATES (FT) *

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    RECEPTOR                *       X           Y           Z          *
-------------------------*-------------------------------------*
 1. REC 1 SE CORNER         *      120.0       -48.0         6.0       *
 2. REC 2 (SW CORNER)       *      -17.5       -58.0         6.0       *
 3. REC 3 (NW CORNER)       *     -140.5        64.0         6.0       *
 4. REC 4 (NE CORNER)       *      -15.0        79.0         6.0       *
 5. REC 5 (E MID-MAIN)      *      220.0       -48.0         6.0       *
 6. REC 6 (W MID-MAIN)      *     -117.5       -58.0         6.0       *
 7. REC 7 (N MID-LOCAL)     *     -240.5       164.0         6.0       *
 8. REC 8 (S MID-LOCAL)     *       82.5      -158.0         6.0       *
 9. REC 9                   *      220.0        79.0         6.0       *
10. RECEPTOR 10             *     -115.0       179.0         6.0       *
11. REC 11                  *     -117.5       -58.0         6.0       *
12. REC12                   *     -240.5        64.0         6.0       *
13. REC13                   *      220.0      -148.0         6.0       *
14. REC15                   *      -80.0       -59.0         6.0       *
15. REC16                   *      -80.0       -69.0         6.0       *
16. REC17                   *      -70.0       -59.0         6.0       *
17. RECEPTOR 18             *      -70.0       -69.0         6.0       *
18. REC19                   *      -60.0       -69.0         6.0       *
19. REC20                   *      -60.0       -59.0         6.0       *
20. REC21                   *      -50.0       -69.0         6.0       *
21. REC22                   *      -50.0       -59.0         6.0       *
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JOB: PARKER & ILLIF

RUN: PARKER & ILLIF 2006 SCREENING

(PPM)

ANGLE (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
5.	1.6	1.3	2.3	.0	1.4	3.7	2.3	2.2	.0	.0	3.7	1.2	.6	3.3	2.8	2.9	2.4	2.1	2.5	2.0
10.	1.4	1.3	2.2	.0	1.2	3.6	2.2	2.4	.0	.0	3.6	1.2	.6	2.9	2.4	2.8	2.3	1.8	2.1	1.6
15.	1.3	1.3	2.1	.0	1.2	3.4	2.1	2.4	.0	.0	3.4	1.1	.6	2.8	2.4	2.2	1.9	1.8	2.1	1.6
20.	1.2	1.4	2.1	.0	1.2	3.3	2.1	2.3	.0	.0	3.3	1.1	.5	2.5	2.1	2.2	2.0	1.7	2.0	1.6
25.	1.3	1.5	2.0	.0	1.2	3.1	1.9	2.3	.0	.0	3.1	1.1	.5	2.5	2.2	2.3	1.9	1.7	1.8	1.8
30.	1.4	1.7	1.9	.0	1.2	3.1	1.9	2.3	.0	.0	3.1	1.1	.4	2.5	2.1	2.2	1.9	1.9	2.1	1.6
35.	1.4	1.8	2.0	.0	1.2	3.1	1.9	2.2	.0	.0	3.1	1.1	.4	2.7	2.1	2.4	1.9	1.7	2.3	1.8
40.	1.4	1.9	2.1	.0	1.1	3.2	2.1	2.3	.0	.0	3.2	1.1	.3	2.7	2.0	2.6	2.0	1.9	2.5	1.9
45.	1.4	2.0	2.1	.0	1.0	3.1	2.1	2.2	.0	.0	3.1	1.1	.3	2.7	2.2	2.5	2.0	2.0	2.5	1.9
50.	1.4	2.2	2.0	.0	1.0	3.3	2.1	2.2	.0	.0	3.3	1.1	.3	2.9	2.1	2.7	2.1	2.1	2.6	2.0
55.	1.4	2.2	1.9	.0	.9	3.3	1.9	2.0	.0	.0	3.3	1.1	.3	2.8	2.2	2.7	2.2	2.2	2.8	1.9
60.	1.4	2.1	1.9	.0	.9	3.4	1.9	2.0	.0	.0	3.4	1.1	.3	2.9	2.2	3.0	2.2	2.1	2.8	2.0
65.	1.3	2.2	2.0	.1	.9	3.4	2.1	1.8	.0	.0	3.4	1.2	.3	3.1	2.3	3.0	2.2	2.1	2.9	2.0
70.	1.3	2.0	2.2	.2	.9	3.5	2.1	1.9	.0	.0	3.5	1.0	.3	2.9	2.1	2.8	2.0	2.1	2.9	2.1
75.	1.2	2.3	2.2	.4	1.0	3.4	2.1	2.0	.0	.0	3.4	1.1	.3	2.9	2.2	2.8	2.2	2.1	2.8	2.0
80.	1.1	2.3	2.3	.7	1.0	3.2	2.2	1.9	.1	.0	3.2	1.4	.2	2.9	2.0	2.7	1.8	1.8	2.8	1.7
85.	1.0	2.1	2.6	1.2	.9	2.9	2.3	1.8	.1	.0	2.9	1.6	.1	2.5	1.7	2.6	1.5	1.6	2.4	1.6
90.	.8	2.0	2.7	1.6	.8	2.6	2.7	1.8	.3	.0	2.6	1.6	.1	2.3	1.5	2.4	1.5	1.5	2.4	1.6
95.	.7	2.0	2.8	2.0	.7	2.3	2.8	1.8	.5	.3	2.3	2.0	.0	2.2	1.2	2.2	1.3	1.4	2.1	1.5
100.	.4	2.0	2.7	2.2	.4	1.9	3.0	2.0	.6	.3	1.9	2.3	.0	1.9	1.2	2.0	1.4	1.4	1.9	1.5
105.	.3	1.9	2.7	2.4	.3	1.8	3.1	2.0	.7	.5	1.8	2.3	.0	1.8	1.4	1.9	1.5	1.5	1.8	1.5
110.	.2	2.1	2.6	2.4	.2	1.6	3.3	2.1	.8	.7	1.6	2.3	.0	1.6	1.4	1.7	1.4	1.5	1.7	1.6
115.	.2	2.2	2.9	2.4	.1	1.4	3.4	2.2	1.0	.8	1.4	2.4	.1	1.7	1.5	1.7	1.5	1.6	1.7	1.6
120.	.5	2.3	2.9	2.8	.1	1.3	3.4	2.3	1.1	1.0	1.3	2.8	.4	1.6	1.5	1.6	1.5	1.5	1.8	1.7
125.	1.1	2.2	3.0	2.8	.3	1.2	3.2	2.2	1.2	1.6	1.2	2.8	1.0	1.4	1.3	1.6	1.3	1.5	1.6	1.5
130.	1.6	2.0	2.9	2.9	.5	1.0	3.2	2.0	1.5	1.9	1.0	2.7	1.4	1.1	1.0	1.4	1.0	1.3	1.4	1.3
135.	2.2	1.5	2.5	3.2	.8	.7	2.7	1.5	1.6	2.3	.7	2.4	2.0	1.0	.8	1.0	.9	.9	1.1	1.0
140.	2.5	1.2	2.3	3.4	.9	.4	2.2	1.1	1.9	2.2	.4	2.1	2.5	.6	.5	.7	.5	.6	.7	.6
145.	2.8	.8	2.2	3.2	1.2	.3	1.5	.8	2.1	2.2	.3	2.0	2.8	.4	.3	.4	.3	.3	.4	.3
150.	3.0	.4	2.0	2.9	1.4	.1	1.4	.4	2.2	1.9	.1	1.8	3.0	.0	.0	.0	.0	.0	.0	.0
155.	2.7	.1	1.7	2.2	1.4	.0	1.1	.1	2.2	1.9	.0	1.8	2.7	.0	.0	.0	.0	.0	.0	.0
160.	2.7	.1	1.6	1.6	1.3	.0	.9	.1	2.2	2.0	.0	1.7	2.7	.0	.0	.0	.0	.0	.0	.0
165.	2.6	.1	1.7	1.4	1.3	.0	.9	.1	2.2	2.2	.0	1.7	2.6	.0	.0	.0	.0	.0	.0	.0
170.	2.5	.0	1.7	1.3	1.3	.0	.9	.0	2.2	2.2	.0	1.7	2.5	.0	.0	.0	.0	.0	.0	.0
175.	2.3	.0	1.7	1.0	1.3	.0	.9	.0	2.3	2.4	.0	1.6	2.3	.0	.0	.0	.0	.0	.0	.0
180.	2.3	.0	1.7	1.3	1.3	.0	.9	.0	2.3	2.6	.0	1.6	2.3	.0	.0	.0	.0	.0	.0	.0
185.	2.1	.0	1.7	1.2	1.1	.0	.9	.0	2.3	2.6	.0	1.6	2.1	.0	.0	.0	.0	.0	.0	.0
190.	2.0	.0	1.7	1.2	1.0	.0	.8	.0	2.3	2.6	.0	1.6	2.0	.0	.0	.0	.0	.0	.0	.0
195.	2.0	.0	1.7	1.4	1.0	.0	.8	.0	2.2	2.7	.0	1.5	2.0	.0	.0	.0	.0	.0	.0	.0
200.	1.9	.0	1.7	1.4	.9	.0	.8	.0	2.2	2.7	.0	1.5	1.9	.0	.0	.0	.0	.0	.0	.0
205.	1.9	.0	1.8	1.6	.9	.0	.8	.0	2.2	2.6	.0	1.6	1.9	.0	.0	.0	.0	.0	.0	.0
210.	1.9	.0	1.8	1.6	.9	.1	.8	.0	2.2	2.6	.1	1.6	1.9	.0	.0	.0	.0	.0	.0	.0
215.	1.9	.0	1.8	1.8	.9	.1	.8	.0	2.1	2.6	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
220.	1.9	.0	1.7	2.0	.9	.1	.9	.0	2.1	2.7	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
225.	2.0	.0	1.7	2.2	1.0	.1	.9	.0	2.3	2.7	.1	1.6	1.9	.1	.0	.1	.0	.0	.1	.0
230.	2.0	.0	1.9	2.3	1.0	.1	1.0	.0	2.3	2.8	.1	1.8	1.9	.1	.0	.1	.0	.0	.1	.0
235.	2.0	.1	1.8	2.5	1.0	.1	1.0	.0	2.4	2.7	.1	1.8	1.9	.1	.0	.1	.0	.0	.1	.0
240.	2.0	.1	1.9	2.4	1.0	.2	.9	.0	2.4	2.6	.2	1.9	1.9	.2	.0	.2	.0	.0	.2	.0
245.	1.8	.3	2.0	2.6	1.0	.4	.8	.0	2.5	2.7	.4	1.9	1.9	.2	.0	.2	.0	.0	.2	.0
250.	2.0	.5	2.0	2.8	1.2	.6	.7	.0	2.6	2.7	.6	1.9	1.9	.5	.2	.5	.2	.2	.5	.2
255.	2.3	1.0	1.9	2.7	1.5	.9	.7	.0	2.6	2.5	.9	1.9	2.0	.9	.2	1.0	.2	.2	1.0	.2
260.	2.5	1.6	1.9	2.6	1.6	1.6	.4	.0	2.7	2.3	1.6	1.6	2.1	1.5	.8	1.5	.8	.8	1.6	.8
265.	3.0	2.3	1.5	2.5	2.0	2.3	.3	.1	2.2	2.2	2.3	1.4	2.3	2.3	1.4	2.3	1.4	1.4	2.3	1.4

270.	*	3.1	3.0	1.1	2.5	2.2	3.1	.1	.4	1.9	2.0	3.1	1.1	2.7	3.0	1.8	3.0	1.8	1.8	3.0	1.8
275.	*	3.4	3.6	.8	2.2	2.7	3.7	.0	.6	1.6	2.0	3.7	.7	3.1	3.7	2.4	3.7	2.4	2.5	3.8	2.5
280.	*	3.4	4.0	.5	2.3	2.7	4.2	.0	.9	1.3	2.1	4.2	.4	3.2	4.0	2.8	4.1	2.9	2.9	4.1	3.0
285.	*	3.0	4.0	.2	2.2	2.9	4.3	.0	1.1	.7	2.1	4.3	.2	3.3	4.3	3.2	4.3	3.3	3.3	4.3	3.3
290.	*	2.7	3.7	.1	2.2	2.4	4.3	.0	1.5	.6	2.1	4.3	.1	3.3	4.1	3.3	4.1	3.3	3.3	4.1	3.3
295.	*	2.8	3.4	.3	2.3	2.4	3.9	.1	1.5	.6	2.1	3.9	.1	3.4	3.9	3.1	3.9	3.1	3.1	3.9	3.1
300.	*	2.8	3.3	.5	2.3	2.3	3.8	.3	1.3	.6	2.0	3.8	.1	3.3	3.7	3.0	3.7	3.0	3.0	3.8	3.1
305.	*	2.8	3.4	.8	2.2	2.4	3.8	.6	1.8	.4	1.9	3.8	.1	2.8	3.8	3.0	3.8	3.1	3.1	3.9	3.1
310.	*	2.7	3.4	1.3	1.8	2.4	3.6	1.1	1.9	.3	1.6	3.6	.1	2.9	4.0	3.2	4.1	3.2	3.3	4.1	3.3
315.	*	2.6	3.6	1.9	1.5	2.0	3.8	1.5	1.8	.1	1.2	3.8	.4	2.3	3.9	3.4	4.1	3.4	3.5	4.2	3.5
320.	*	2.3	3.6	2.3	1.0	1.7	3.8	1.8	2.1	.1	.9	3.8	.5	1.9	4.3	3.5	4.3	3.8	3.8	4.4	3.9
325.	*	2.3	3.3	2.7	.7	1.6	4.1	2.2	1.9	.0	.5	4.1	.7	1.3	4.3	3.8	4.4	3.9	4.0	4.5	3.9
330.	*	2.1	2.9	2.9	.3	1.4	4.1	2.4	1.7	.0	.3	4.1	.9	1.2	4.3	3.8	4.4	3.9	3.9	4.3	3.8
335.	*	1.8	2.3	2.9	.1	1.3	4.1	2.6	1.8	.0	.1	4.1	1.0	.8	4.2	3.9	4.2	3.8	3.7	4.1	3.5
340.	*	1.7	2.1	2.9	.1	1.2	4.2	2.6	1.5	.0	.1	4.2	1.1	.7	4.2	3.9	4.1	3.8	3.6	4.0	3.2
345.	*	1.7	1.9	2.7	.0	1.3	4.0	2.5	1.7	.0	.0	4.0	1.0	.7	4.0	3.6	3.8	3.6	3.3	3.5	3.0
350.	*	1.6	1.6	2.7	.0	1.3	4.0	2.6	1.9	.0	.0	4.0	1.1	.7	3.9	3.5	3.7	3.3	3.0	3.3	2.7
355.	*	1.7	1.4	2.5	.0	1.4	3.9	2.5	2.1	.0	.0	3.9	1.1	.7	3.7	3.3	3.4	3.1	2.7	3.0	2.4
360.	*	1.6	1.3	2.5	.0	1.4	3.9	2.4	2.2	.0	.0	3.9	1.2	.7	3.5	3.0	3.3	2.8	2.4	2.7	2.1
MAX	*	3.4	4.0	3.0	3.4	2.9	4.3	3.4	2.4	2.7	2.8	4.3	2.8	3.4	4.3	3.9	4.4	3.9	4.0	4.5	3.9
DEGR.	*	275	280	125	140	285	285	115	10	260	230	285	120	295	285	335	325	325	325	325	320

THE HIGHEST CONCENTRATION OF 4.50 PPM OCCURRED AT RECEPTOR REC19.

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PAGE  1
JOB: FOOTHILLS & ARAPAHOE SCREENING 2006                  RUN: FOOTHILLS & ARAPAHOE. 2006
      DATE :  8/ 3/99
      TIME : 12: 1:52
The MODE flag has been set to C for calculating CO averages.

       SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

       LINK VARIABLES
       --------------
         LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *   X1        Y1        X2        Y2     *     (FT)  (DEG)            (G/MI)  (FT) (FT)       (VEH)
      ------------------------*----------------------------------------*-------------------------------------------------------
       1. FOOTHILLS NB APPR   *    36.0   -1000.0      36.0        .0 *    1000.   360. AG   1819.   6.0    .0 44.0
       2. FOOTHILLS NB  Q     *    36.0     -72.0      36.0   -3187.0 *    3115.   180. AG    453. 100.0    .0 24.0 1.40 158.2
       3. FOOTHILLS NB  Q LEF *    12.0     -72.0      12.0    -144.4 *      72.   180. AG    618. 100.0    .0 24.0  .72   3.7
       4. FOOTHILLS NB DEP.   *    36.0        .0    -464.0    1000.0 *    1118.   333. AG   2772.   6.0    .0 44.0
       5. FOOTHILLS NB R      *    54.0    -747.0      54.0        .0 *     747.   360. AG    244.   6.0    .0 12.0
       6. FOOTHILLS NB Q R    *    54.0     -72.0      54.0    -174.7 *     103.   180. AG    226. 100.0    .0 12.0  .38   5.2
       7. FOOTHILLS SB APPR   *  -536.0    1000.0     -36.0        .0 *    1118.   153. AG   1803.   6.0    .0 44.0
       8. FOOTHILLS SB  Q     *   -36.0      72.0   -1795.8    3338.2 *    3710.   332. AG    476. 100.0    .0 24.0 1.55 188.5
       9. FOOTHILLS SB Q LEFT *   -12.0      72.0    -367.4     782.8 *     795.   333. AG    641. 100.0    .0 24.0 1.58  40.4
      10. FOOTHILLS SB DEP.   *   -36.0        .0     -36.0   -1000.0 *    1000.   180. AG   3057.   6.0    .0 44.0
      11. FOOTHILLS SB R      *  -202.5     297.0     -54.0        .0 *     332.   153. AG    225.   6.0    .0 12.0
      12. FOOTHILLS SB Q R    *   -54.0      72.0     -98.6     161.1 *     100.   333. AG    238. 100.0    .0 12.0  .39   5.1
      13. ARAPAHOE  EB APPR.  * -1000.0     -42.0        .0     -42.0 *    1000.    90. AG   1197.   7.2    .0 56.0
      14. ARAPAHOE EB QUEUE   *   -60.0     -42.0    -217.1     -42.0 *     157.   270. AG    624. 100.0    .0 36.0  .54   8.0
      15. ARAPAHOE .EB DEP.   *      .0     -42.0    1000.0     -42.0 *    1000.    90. AG   1789.   7.2    .0 56.0
      16. ARAPAHOE EB QUEUE LE*   -60.0     -12.0   -1053.5     -12.2 *     993.   270. AG    613. 100.0    .0 24.0 1.51  50.5
      17. ARAPAHOE  EB R      *  -110.0     -66.0        .0     -66.0 *     110.    90. AG    637.   7.2    .0 12.0
      18. ARAPAHOE  EB QUEUE R*   -60.0     -66.0    -312.0     -66.0 *     252.   270. AG    208. 100.0    .0 12.0  .87  12.8
      19. ARAPAHOE WB APPR.   *  1000.0      42.0        .0      42.0 *    1000.   270. AG   1103.   7.2    .0 56.0
      20. ARAPAHOE WB QUEUE   *    72.0      42.0     208.5      42.0 *     136.    90. AG    590. 100.0    .0 36.0  .46   6.9
      21. ARAPAHOE WB DEP.    *      .0      42.0   -1000.0      42.0 *    1000.   270. AG   1580.   7.2    .0 56.0
      22. ARAPAHOE WB QUEUE LE*    72.0      12.0    1183.6      12.2 *    1112.    90. AG    590. 100.0    .0 24.0 1.40  56.5
      23. ARAPAHOE  WB R      *   156.0      66.0        .0      66.0 *     156.   270. AG    477.   7.2    .0 12.0
      24. ARAPAHOE  WB QUEUE R*    60.0      66.0     237.4      66.0 *     177.    90. AG    197. 100.0    .0 12.0  .60   9.0
                                                                                                                  PAGE  2
ADDITIONAL QUEUE LINK PARAMETERS
         LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                              *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                              *    (SEC)    (SEC)     (SEC)     (VPH)      (VPH)    (gm/hr)
2. FOOTHILLS NB  Q     *     120       77       2.0      1819      2000     131.57     1        3
       3. FOOTHILLS NB  Q LEF *     120      105       2.0       252      1900     131.57     2        3
       6. FOOTHILLS NB Q R    *     120       77       2.0       244      2000     131.57     1        3
       8. FOOTHILLS SB  Q     *     120       81       2.0      1803      2000     131.57     1        3
       9. FOOTHILLS SB Q LEFT *     120      109       2.0       348      1900     131.57     2        3
      12. FOOTHILLS SB Q R    *     120       81       2.0       225      2000     131.57     1        3
      14. ARAPAHOE EB QUEUE   *     120       72       2.0      1197      2000     129.33     2        3
      16. ARAPAHOE EB QUEUE LE*     120      106       2.0       477      1900     129.33     2        3
      18. ARAPAHOE  EB QUEUE R*     120       72       2.0       637      2000     129.33     2        3
      20. ARAPAHOE WB QUEUE   *     120       68       2.0      1103      2000     129.33     2        3
      22. ARAPAHOE WB QUEUE LE*     120      102       2.0       618      1900     129.33     2        3
      24. ARAPAHOE  WB QUEUE R*     120       68       2.0       477      2000     129.33     2        3
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  RECEPTOR LOCATIONS
                     *          COORDINATES (FT)          *
    RECEPTOR           *      X          Y          Z       *
 1. REC 4 (NE CORNER)    *       24.5       72.5        6.0   *
 2. REC 1 (SE CORNER)    *       58.0      -70.0        6.0   *
 3. REC 2 (SW CORNER)    *      -58.5      -72.0        6.0   *
 4. REC 3 (NW CORNER)    *      -97.0       70.0        6.0   *
 5. REC 5 (E MID-MAIN)   *       58.0     -170.0        6.0   *
 6. REC 6 (W MID-MAIN)   *      -25.5      170.0        6.0   *
 7. REC 7 (N MID-LOCAL)  *     -197.0       70.0        6.0   *
 8. REC 8 (S MID-LOCAL)  *     -158.0      -72.0        6.0   *
 9. REC 9                *      -58.5     -172.0        6.0   *
10. REC10                *      124.5      -72.0        6.0   *
11. REC11                *      124.5       72.5        6.0   *
12. REC12                *     -147.0      170.0        6.0   *
13. REC13                *       58.0     -160.0        6.0   *
14. REC14                *       58.0     -180.0        6.0   *
15. REC15                *       68.0     -160.0        6.0   *
16. REC16                *       68.0     -170.0        6.0   *
17. REC17                *       68.0     -180.0        6.0   *
18. REC18                *       58.0     -150.0        6.0   *
19. REC19                *       68.0     -150.0        6.0   *
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JOB: FOOTHILLS & ARAPAHOE SCREENING 2006 RUN: FOOTHILLS & ARAPAHOE. 2006

ANGLE	*		(PPM)																	
(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19
5.	*	.1	1.6	3.9	3.3	3.2	.1	1.5	5.4	2.6	2.1	.0	3.0	3.2	2.9	1.7	1.7	1.7	3.1	1.6
10.	*	.1	1.7	3.2	3.1	2.7	.1	1.5	5.3	2.1	2.0	.0	2.9	2.7	2.4	1.4	1.4	1.4	2.6	1.4
15.	*	.1	1.8	2.7	3.1	2.5	.1	1.5	5.1	1.9	2.0	.0	2.8	2.4	2.2	1.3	1.3	1.2	2.4	1.3
20.	*	.1	1.9	2.2	3.1	2.2	.1	1.5	5.2	1.9	2.0	.0	2.7	2.0	2.0	1.3	1.3	1.3	2.0	1.3
25.	*	.0	2.0	1.9	2.9	1.8	.1	1.4	5.1	2.0	2.0	.0	2.6	1.9	1.6	1.3	1.2	1.1	1.9	1.3
30.	*	.0	2.0	2.0	2.9	1.7	.0	1.4	5.1	2.2	1.9	.0	2.6	1.7	1.4	1.2	1.2	1.2	1.8	1.3
35.	*	.0	2.1	2.1	2.8	1.5	.0	1.2	5.1	2.4	1.8	.0	2.4	1.5	1.2	1.2	1.1	1.1	1.5	1.2
40.	*	.0	2.0	2.0	2.7	1.2	.0	1.3	5.0	2.7	1.7	.0	2.3	1.3	1.1	1.0	1.0	.9	1.3	1.1
45.	*	.0	2.2	2.2	2.6	1.1	.0	1.3	4.9	3.1	1.7	.1	2.2	1.1	.9	.9	.9	.9	1.3	1.0
50.	*	.0	2.1	2.3	2.7	1.1	.0	1.3	4.9	3.2	1.6	.1	2.2	1.1	.9	.9	.9	.8	1.2	1.0
55.	*	.0	2.0	2.4	2.7	.9	.0	1.3	5.1	3.1	1.6	.1	2.3	1.0	.8	.9	.8	.8	1.1	.9
60.	*	.0	2.1	2.6	2.7	1.0	.0	1.4	5.1	3.0	1.5	.1	2.4	1.0	.8	.9	.9	.8	1.0	.9
65.	*	.1	1.9	2.8	2.6	1.0	.0	1.5	5.0	3.0	1.7	.2	2.4	1.0	.8	.9	.9	.8	1.0	.9
70.	*	.4	1.8	3.0	2.6	1.0	.0	1.5	5.0	2.8	1.7	.4	2.3	1.0	.8	.9	.8	.8	1.0	.9
75.	*	.7	1.8	3.1	2.7	.9	.0	1.7	5.0	2.6	1.8	.8	2.3	.9	.8	.8	.8	.8	1.0	.9
80.	*	1.2	1.7	3.1	2.8	.6	.0	1.9	4.6	2.2	1.7	1.3	2.3	.6	.5	.6	.5	.5	.8	.8
85.	*	1.9	1.6	3.1	3.2	.4	.1	2.2	4.2	1.9	1.4	1.9	2.5	.4	.3	.4	.4	.3	.4	.4
90.	*	2.7	1.3	3.0	3.3	.3	.2	2.3	3.6	1.8	1.0	2.7	2.7	.3	.2	.3	.3	.2	.3	.3
95.	*	3.2	.8	2.8	3.4	.1	.5	2.4	2.9	1.5	.7	3.3	3.4	.1	.1	.1	.1	.1	.2	.2
100.	*	3.7	.5	2.5	3.3	.0	.8	2.2	2.4	1.4	.5	3.9	3.8	.0	.0	.0	.0	.0	.0	.0
105.	*	3.9	.3	2.4	3.1	.0	1.1	2.0	1.9	1.3	.3	4.4	4.0	.1	.0	.0	.0	.0	.1	.0
110.	*	3.6	.1	2.5	2.6	.0	1.2	2.1	1.5	1.3	.1	4.6	4.1	.1	.0	.0	.0	.0	.1	.0
115.	*	3.4	.1	2.4	2.1	.0	1.3	1.9	1.2	1.4	.1	4.6	3.9	.1	.0	.0	.0	.0	.1	.0
120.	*	3.1	.1	2.3	1.9	.0	1.4	2.0	1.0	1.4	.1	4.6	3.8	.1	.0	.0	.0	.0	.1	.0
125.	*	2.7	.2	2.2	1.9	.0	1.6	2.4	.9	1.4	.0	4.5	3.3	.1	.0	.0	.0	.0	.1	.0
130.	*	2.3	.1	2.2	1.7	.0	1.4	2.6	.9	1.5	.0	4.6	2.8	.2	.0	.0	.0	.0	.2	.0
135.	*	2.0	.1	2.1	2.0	.0	1.4	2.8	.8	1.5	.0	4.3	2.7	.2	.0	.0	.0	.0	.2	.0
140.	*	1.6	.2	2.0	2.2	.0	1.3	2.8	.9	1.5	.0	4.2	2.3	.2	.0	.0	.0	.0	.2	.0
145.	*	1.4	.2	1.9	2.4	.0	1.5	2.8	.8	1.6	.0	4.1	2.1	.2	.0	.0	.0	.0	.3	.0
150.	*	1.4	.4	1.9	2.6	.2	1.5	2.9	.8	1.7	.0	4.0	1.9	.4	.1	.0	.0	.0	.4	.0
155.	*	1.6	.7	1.9	2.8	.3	2.0	2.7	.8	1.8	.0	3.7	2.1	.5	.2	.0	.0	.0	.6	.0
160.	*	1.8	1.1	2.0	3.0	.5	2.3	2.8	.9	1.9	.0	3.7	2.1	.8	.4	.1	.1	.1	.9	.1
165.	*	2.2	1.7	2.1	2.9	1.0	3.1	2.8	.9	2.1	.1	3.8	2.3	1.3	.8	.4	.4	.4	1.4	.4
170.	*	2.5	2.4	2.1	3.0	1.5	3.5	2.8	.7	2.1	.2	3.9	2.0	1.9	1.3	.8	.8	.8	2.1	.8
175.	*	3.1	3.2	1.8	3.0	2.2	4.1	2.5	.6	1.8	.5	4.2	1.9	2.6	1.9	1.3	1.3	1.3	2.8	1.3
180.	*	3.1	4.0	1.5	2.9	2.8	4.2	2.4	.4	1.5	.8	4.5	1.7	3.3	2.5	1.7	1.7	1.7	3.5	1.8
185.	*	3.0	4.5	1.1	2.5	3.2	4.5	2.1	.2	1.0	.9	4.8	1.5	3.7	2.9	2.2	2.2	2.2	4.0	2.3
190.	*	2.6	4.8	.7	2.3	3.4	4.6	1.8	.1	.7	1.1	5.1	1.3	3.9	3.1	2.4	2.4	2.4	4.3	2.6
195.	*	2.4	4.8	.4	2.1	3.4	4.5	1.7	.0	.4	1.2	4.9	1.1	4.0	3.1	2.6	2.5	2.5	4.2	2.7
200.	*	2.2	4.7	.2	2.1	3.4	4.5	1.5	.0	.2	1.3	5.0	1.0	3.9	3.0	2.5	2.4	2.4	4.1	2.7
205.	*	2.1	4.4	.1	2.1	3.2	4.5	1.4	.0	.1	1.2	4.8	1.0	3.7	2.8	2.4	2.2	2.2	4.0	2.6
210.	*	2.0	4.4	.1	2.2	3.1	4.5	1.5	.0	.1	1.2	4.7	.9	3.7	2.7	2.4	2.2	2.2	3.8	2.6
215.	*	2.1	4.3	.1	2.2	3.1	4.4	1.4	.0	.1	1.3	4.6	.9	3.6	2.6	2.4	2.1	2.1	3.7	2.6
220.	*	2.2	4.2	.1	2.2	2.9	4.5	1.5	.1	.1	1.4	4.3	.8	3.3	2.4	2.3	2.1	2.0	3.4	2.6
225.	*	2.2	4.0	.1	2.0	2.9	4.4	1.5	.1	.1	1.3	4.5	.8	3.1	2.3	2.3	2.0	1.9	3.2	2.5
230.	*	2.8	3.9	.2	1.9	2.8	4.4	1.4	.1	.1	1.4	4.4	.8	3.1	2.2	2.2	1.8	1.7	3.1	2.3
235.	*	2.9	3.8	.1	2.0	2.8	4.3	1.6	.1	.0	1.5	4.3	.9	3.0	2.2	2.2	1.8	1.7	3.1	2.3
240.	*	3.1	3.7	.2	1.9	2.8	4.3	1.6	.2	.0	1.6	4.0	.9	2.9	2.1	2.2	1.9	1.7	2.9	2.3
245.	*	3.2	3.4	.4	1.8	2.6	4.2	1.6	.3	.0	1.8	4.2	.9	2.8	2.0	2.3	1.9	1.7	2.8	2.3
250.	*	3.1	3.4	.7	1.8	2.6	4.1	1.7	.5	.0	1.8	4.4	.8	2.8	2.0	2.2	1.9	1.6	2.9	2.3
255.	*	3.3	3.3	1.1	1.7	2.6	4.0	1.7	.8	.0	2.1	4.2	.7	2.7	1.9	2.2	2.0	1.6	2.8	2.3
260.	*	3.3	3.4	1.8	1.6	2.6	3.7	1.6	1.4	.0	2.3	4.0	.4	2.7	1.9	2.4	2.1	1.7	2.9	2.6
265.	*	3.4	3.8	2.7	1.4	2.8	3.5	1.4	1.9	.1	2.7	3.7	.3	2.9	2.1	2.5	2.3	1.9	3.1	2.7
270.	*	3.1	4.1	3.7	1.1	3.0	3.3	1.1	2.7	.2	3.0	3.2	.2	3.1	2.2	2.6	2.4	1.8	3.7	3.1

275. *	3.1	4.2	4.3	.7	3.5	3.4	.7	3.3	.4	3.0	2.6	.1	3.6	2.4	3.1	3.0	2.1	4.0	3.4
280. *	3.2	4.2	5.1	.5	3.8	3.2	.4	3.8	.6	3.0	2.3	.0	4.0	2.8	3.7	3.4	2.9	4.4	4.0
285. *	3.2	3.8	5.5	.3	4.0	3.4	.3	4.1	.9	2.6	2.2	.0	4.4	3.2	3.9	3.6	3.1	4.9	4.3
290. *	3.3	3.0	5.5	.1	4.4	3.5	.1	4.3	1.0	2.3	2.0	.0	4.9	3.5	4.3	3.8	3.3	5.3	4.6
295. *	3.6	2.8	5.5	.1	4.7	3.6	.1	4.5	1.0	2.0	1.8	.0	5.1	3.9	4.4	4.1	3.7	5.5	4.8
300. *	3.8	2.4	5.2	.1	5.1	3.8	.1	4.5	1.2	1.7	1.8	.0	5.3	4.2	4.5	4.3	3.8	5.6	4.6
305. *	4.2	2.2	5.0	.1	5.2	4.0	.0	4.4	1.3	2.0	1.9	.1	5.4	4.5	4.6	4.4	4.0	5.6	4.6
310. *	4.2	2.6	4.8	.1	5.4	4.2	.0	4.3	1.5	2.3	1.9	.1	5.5	4.6	4.6	4.4	4.2	5.6	4.7
315. *	4.5	2.7	4.7	.2	5.7	4.5	.0	4.4	1.6	2.8	1.9	.2	5.9	5.0	4.7	4.8	4.6	5.7	4.6
320. *	4.6	3.1	4.5	.6	5.9	4.5	.1	4.4	1.8	3.1	1.7	.6	5.8	5.3	4.9	4.9	5.0	5.8	5.0
325. *	4.4	3.4	4.7	1.2	6.4	4.2	.2	4.3	1.9	3.1	1.4	1.2	6.5	5.8	5.4	5.4	5.1	6.5	5.3
330. *	3.7	3.9	5.2	1.9	6.8	3.8	.4	4.4	2.3	3.3	1.2	1.8	6.8	6.4	5.3	5.4	5.6	6.6	5.3
335. *	3.0	3.9	5.0	2.6	6.8	3.0	.8	4.5	2.7	3.0	.6	2.5	6.8	6.4	5.1	5.3	5.3	6.5	4.9
340. *	2.1	3.2	5.4	3.0	6.5	2.1	1.0	4.7	3.0	2.6	.4	2.8	6.3	6.1	4.4	4.7	4.8	6.1	4.2
345. *	1.1	2.7	5.4	3.3	5.5	1.2	1.2	4.8	3.1	2.3	.1	3.2	5.2	5.3	3.6	3.8	3.8	5.4	3.4
350. *	.7	2.2	5.4	3.4	5.0	.7	1.5	5.0	3.2	2.2	.0	3.3	4.9	4.7	2.9	2.9	3.2	4.9	2.9
355. *	.3	1.8	5.1	3.4	4.2	.3	1.6	5.3	3.1	2.0	.0	3.2	4.1	4.0	2.3	2.4	2.3	3.9	2.1
360. *	.1	1.6	4.6	3.3	3.8	.1	1.6	5.4	2.9	2.0	.0	3.1	3.8	3.4	1.9	1.9	2.0	3.6	1.7
MAX *	4.6	4.8	5.5	3.4	6.8	4.6	2.9	5.4	3.2	3.3	5.1	4.1	6.8	6.4	5.4	5.4	5.6	6.6	5.3
DEGR. *	320	190	285	95	330	190	150	5	50	330	190	110	330	330	325	325	330	330	325

THE HIGHEST CONCENTRATION OF 6.80 PPM OCCURRED AT RECEPTOR REC5 .

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CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
PAGE  1
JOB: UNIVERSITY AND ARAPAHOE                             RUN: UNIVERSITY AND ARAPAHOE 2006 SCREENING
DATE :  8/ 3/99
      TIME : 11:39: 3
The MODE flag has been set to C for calculating CO averages.
SITE & METEOROLOGICAL VARIABLES
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

       LINK VARIABLES
         LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *   X1        Y1        X2        Y2     *     (FT)  (DEG)            (G/MI)  (FT) (FT)       (VEH)
       1. UNIVERSITY NB APPR  *     28.0   -1000.0      28.0        .0 *    1000.   360. AG   1242.   7.0    .0 47.0
       2. UNIVERSITY NB  Q    *     28.0     -66.0      28.0    -306.4 *     240.   180. AG    431. 100.0    .0 27.0  .89  12.2
       3. UNIVERSITY NB  Q LEF*      8.0     -66.0       8.0    -777.1 *     711.   180. AG    304. 100.0    .0 16.0 1.28  36.1
       4. UNIVERSITY NB DEP.  *     28.0        .0      28.0    1000.0 *    1000.   360. AG   2078.   7.0    .0 47.0
       5. UNIVERSITY SB APR   *    -26.0    1000.0     -26.0        .0 *    1000.   180. AG   1464.   7.0    .0 46.0
       6. UNIVERSITY SB  Q    *    -26.0      69.0     -26.0     341.2 *     272.   360. AG    395. 100.0    .0 26.0  .92  13.8
       7. UNIVERSITY SB Q LEFT*       .0      69.0        .0    1043.0 *     974.   360. AG    286. 100.0    .0 12.0 1.26  49.5
       8. UNIVERSITY SB DP.   *    -26.0        .0     -26.0   -1000.0 *    1000.   180. AG   2176.   7.0    .0 46.0
       9. UNIVERSITY SB R     *    -45.5     344.0     -45.5        .0 *     344.   180. AG    374.   7.0    .0 15.0
      10. ARAPAHOE  EB APPR.  *  -1000.0     -37.0        .0     -37.0 *    1000.    90. AG    810.   8.2    .0 44.0
      11. ARAPAHOE EB QUEUE   *    -53.0     -37.0    -217.8     -37.0 *     165.   270. AG    508. 100.0    .0 24.0  .84   8.4
      12. ARAPAHOE .EB DEP.   *       .0     -37.0    1000.0     -37.0 *    1000.    90. AG   1288.   8.2    .0 44.0
      13. ARAPAHOE EB QUEUE LE*    -53.0     -13.0    -162.7     -13.0 *     110.   270. AG    607. 100.0    .0 25.0  .93   5.6
      14. ARAPAHOE  EB R      *   -428.0     -57.5        .0     -57.5 *     428.    90. AG    323.   8.2    .0 17.0
      15. ARAPAHOE WB APPR.   *   1000.0      37.0        .0      37.0 *    1000.   270. AG   1082.   8.2    .0 44.0
      16. ARAPAHOE WB QUEUE   *     43.0      37.0    3793.3      38.2 *    3750.    90. AG    607. 100.0    .0 24.0 2.70 190.5
      17. ARAPAHOE WB DEP.    *       .0      37.0   -1000.0      37.0 *    1000.   270. AG   1700.   8.2    .0 44.0
      18. ARAPAHOE WB QUEUE LE*     43.0      13.0     119.4      13.0 *      76.    90. AG    508. 100.0    .0 25.0  .43   3.9
      19. UNIVERSITY SB R QUEU*    -45.5      69.0     -45.5     217.2 *     148.   360. AG    198. 100.0    .0 15.0  .61   7.5
      20. ARAPAHOE  EB R Q    *    -53.0     -57.5    -180.2     -57.5 *     127.   270. AG    254. 100.0    .0 17.0  .67   6.5
      21. ARAPAHOE WB FR      *    343.0      59.0        .0      59.0 *     343.   270. AG    484.   8.2    .0 20.0

       ADDITIONAL QUEUE LINK PARAMETERS
       ---------------------------------
         LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                              *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                              *    (SEC)   (SEC)     (SEC)      (VPH)      (VPH)    (gm/hr)
      ------------------------*--------------------------------------------------------------------------------
       2. UNIVERSITY NB  Q    *     100      61       2.0       1242        2000     131.61      1        3
       3. UNIVERSITY NB  Q LEF*     100      86       2.0        244        1900     131.61      2        3
       6. UNIVERSITY SB  Q    *     100      56       2.0       1464        2000     131.61      1        3
       7. UNIVERSITY SB Q LEFT*     100      81       2.0        360        1900     131.61      2        3
      11. ARAPAHOE EB QUEUE   *     100      72       2.0        810        2000     131.61      2        3
      13. ARAPAHOE EB QUEUE LE*     100      86       2.0        352        1900     131.61      2        3
      16. ARAPAHOE WB QUEUE   *     100      86       2.0       1082        2000     131.61      2        3
      18. ARAPAHOE WB QUEUE LE*     100      72       2.0        388        1900     131.61      2        3
      19. UNIVERSITY SB R QUEU*     100      56       2.0        484        2000     131.61      1        3
      20. ARAPAHOE  EB R Q    *     100      72       2.0        323        2000     131.61      2        3

       RECEPTOR LOCATIONS
       ------------------
                              *         COORDINATES (FT)          *
         RECEPTOR             *      X          Y          Z      *
     -------------------------*-----------------------------------*
      1. REC 1 (SE CORNER)    *       52.0      -60.0        6.0   *
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  2. REC 2 (SW CORNER)    *       -50.0      -65.0        6.0   *
  3. REC 3 (NW CORNER)    *       -54.0       60.0        6.0   *
  4. REC 4 (NE CORNER)    *        50.0       70.0        6.0   *
  5. REC 5 (E MID-MAIN)   *        52.0     -160.0        6.0   *
  6. REC 6 (W MID-MAIN)   *       -54.0      160.0        6.0   *
  7. REC 7 (N MID-LOCAL)  *      -154.0       60.0        6.0   *
  8. REC 8 (S MID-LOCAL)  *      -150.0      -65.0        6.0   *
  9. REC9                 *        50.0      170.0        6.0   *
 10. REC10                *       -50.0     -160.0        6.0   *
 11. REC11                *       152.0      -60.0        6.0   *
 12. REC12                *       150.0       70.0        6.0   *
 13. REC13                *      -140.0      -65.0        6.0   *
 14. REC14                *      -160.0      -65.0        6.0   *
 15. REC15                *      -140.0      -75.0        6.0   *
 16. REC16                *      -150.0      -75.0        6.0   *
 17. REC17                *      -160.0      -75.0        6.0   *
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PAGE 3

JOB: UNIVERSITY AND ARAPAHOE RUN: UNIVERSITY AND ARAPAHOE 2006 SCREENING

(DEGR)	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	*	2.4	3.2	3.2	.9	1.9	2.9	.3	4.0	.9	2.4	1.1	.0	4.2	3.8	3.7	3.5	3.4
10.	*	2.1	3.0	3.6	.6	1.7	3.3	.5	4.4	.6	2.3	1.1	.0	4.5	4.0	3.9	3.9	3.5
15.	*	2.0	2.7	3.7	.4	1.2	3.6	.5	4.4	.4	2.1	1.1	.0	4.9	4.3	4.3	3.9	3.8
20.	*	1.9	2.3	3.7	.2	.9	3.7	.6	4.8	.2	2.1	1.1	.0	4.9	4.6	4.3	4.3	4.1
25.	*	1.7	2.0	3.6	.1	1.0	3.7	1.0	4.9	.1	2.1	1.1	.0	5.0	4.6	4.4	4.3	4.1
30.	*	1.7	1.8	3.3	.1	.8	3.6	.9	4.8	.1	2.0	1.1	.0	5.0	4.8	4.2	4.3	4.2
35.	*	1.7	1.8	3.1	.1	.8	3.4	1.0	4.8	.1	2.2	1.2	.0	4.7	4.8	4.2	4.2	4.3
40.	*	1.8	1.7	2.8	.1	.7	3.3	1.0	5.0	.1	2.3	1.3	.0	4.7	5.0	4.2	4.2	4.1
45.	*	1.7	1.9	2.6	.1	.7	3.3	1.1	4.8	.1	2.4	1.3	.0	4.8	4.8	3.7	3.9	4.1
50.	*	1.6	2.1	2.2	.1	.7	2.9	1.0	4.7	.1	2.3	1.3	.0	4.8	4.7	4.0	4.1	3.9
55.	*	1.7	2.2	2.1	.0	.8	2.9	1.0	5.0	.0	2.3	1.5	.0	4.9	4.8	3.9	4.1	4.1
60.	*	1.7	2.4	2.0	.0	.9	2.8	1.1	4.9	.0	2.6	1.6	.0	4.7	5.1	3.7	3.7	3.8
65.	*	1.7	2.4	2.0	.1	.9	2.7	1.2	5.2	.0	2.5	1.6	.1	5.0	5.2	3.4	3.7	3.8
70.	*	1.8	2.6	2.0	.3	.9	2.7	1.2	4.8	.0	2.5	1.8	.3	4.8	5.1	3.5	3.4	3.6
75.	*	1.8	2.7	2.2	.6	.8	2.8	1.4	4.9	.1	2.4	1.7	.6	4.6	4.6	3.3	3.4	3.6
80.	*	1.7	2.6	2.5	1.0	.8	2.9	1.7	4.6	.2	2.4	1.7	1.0	4.4	4.7	3.0	3.1	3.2
85.	*	1.6	2.6	2.9	1.7	.6	3.1	2.1	4.3	.3	2.2	1.6	1.7	4.2	4.4	2.7	2.7	2.8
90.	*	1.3	2.4	3.4	2.3	.5	3.4	2.5	3.7	.5	2.1	1.3	2.3	3.6	3.9	2.1	2.3	2.4
95.	*	.9	2.2	3.5	2.6	.2	3.6	2.5	2.8	.8	1.8	.9	2.6	2.8	2.9	1.6	1.7	1.6
100.	*	.5	1.8	3.4	2.9	.1	3.8	2.4	2.3	1.0	1.7	.5	2.9	2.3	2.3	1.2	1.3	1.3
105.	*	.3	1.7	3.2	3.0	.0	3.8	2.0	1.8	1.0	1.6	.3	2.9	1.8	1.9	1.1	1.0	1.0
110.	*	.1	1.6	2.6	2.9	.0	3.7	2.0	1.4	1.0	1.6	.1	2.8	1.4	1.4	.8	.8	.9
115.	*	.1	1.6	2.3	2.9	.0	3.8	1.8	1.2	1.0	1.6	.1	2.7	1.3	1.2	.9	.8	.8
120.	*	.1	1.6	1.9	2.8	.0	3.8	1.9	1.1	.9	1.6	.1	2.5	1.2	1.1	.9	.8	.8
125.	*	.0	1.7	1.8	2.8	.0	3.9	2.0	1.0	.9	1.7	.0	2.4	1.1	1.0	.9	.8	.8
130.	*	.0	1.8	1.8	2.9	.0	3.9	2.4	1.0	1.0	1.8	.0	2.3	1.2	1.0	.9	.8	.8
135.	*	.0	2.0	1.5	3.0	.0	4.0	2.6	1.0	.9	1.9	.0	2.3	1.0	.9	.9	.9	.8
140.	*	.0	2.0	1.7	3.0	.0	3.8	2.7	.9	1.0	1.9	.0	2.2	1.0	.9	.9	.8	.8
145.	*	.0	2.0	1.7	2.9	.0	3.9	2.9	.9	1.0	1.8	.0	2.1	.9	.9	.8	.8	.8
150.	*	.0	2.0	1.9	2.8	.0	4.0	3.0	.8	1.0	1.8	.0	1.9	.9	.8	.7	.7	.7
155.	*	.2	2.1	2.2	2.7	.1	3.9	2.9	.7	1.1	1.8	.0	1.8	.7	.6	.7	.7	.6
160.	*	.2	2.1	2.4	2.9	.2	3.9	2.8	.5	1.3	1.8	.0	1.8	.7	.5	.6	.5	.5
165.	*	.5	2.1	2.6	3.1	.5	3.7	2.7	.5	1.5	1.7	.0	1.8	.5	.5	.5	.5	.5
170.	*	.9	1.8	2.7	3.4	.6	3.6	2.5	.4	1.8	1.7	.0	1.8	.5	.4	.5	.4	.4
175.	*	1.4	1.5	2.7	3.5	1.2	3.3	2.3	.2	1.9	1.3	.0	1.8	.2	.2	.2	.2	.2
180.	*	1.9	1.2	2.5	3.8	1.7	3.0	2.2	.2	2.2	1.1	.1	2.0	.2	.1	.2	.1	.1
185.	*	2.4	.9	2.6	3.7	2.1	2.7	1.9	.0	2.3	.9	.3	2.3	.1	.0	.1	.0	.0
190.	*	2.8	.5	2.1	3.5	2.6	2.2	1.6	.0	2.3	.5	.5	2.5	.0	.0	.0	.0	.0
195.	*	3.1	.3	2.0	3.1	2.9	1.7	1.4	.0	2.2	.3	.5	2.7	.0	.0	.0	.0	.0
200.	*	3.1	.2	2.1	2.7	3.0	1.3	1.3	.0	2.2	.2	.8	2.9	.0	.0	.0	.0	.0
205.	*	3.0	.1	2.1	2.2	2.9	1.2	1.0	.0	2.1	.1	.9	3.2	.0	.0	.0	.0	.0
210.	*	2.8	.1	2.2	2.2	2.8	1.1	1.1	.1	2.0	.1	.9	3.4	.1	.1	.0	.0	.0
215.	*	2.7	.1	2.3	2.2	2.8	1.0	.9	.1	2.5	.1	1.0	3.4	.1	.1	.0	.0	.0
220.	*	2.6	.0	2.2	2.0	2.7	.7	.8	.1	2.7	.0	1.0	3.5	.1	.1	.0	.0	.0
225.	*	2.5	.1	2.1	2.2	2.6	.6	.7	.1	2.6	.0	1.1	3.5	.1	.1	.0	.0	.0
230.	*	2.2	.1	2.0	2.4	2.4	.4	.8	.1	2.5	.0	1.1	3.5	.1	.1	.0	.0	.0
235.	*	2.2	.1	1.8	2.3	2.4	.3	.7	.2	2.5	.0	1.1	3.7	.2	.1	.0	.0	.0
240.	*	2.1	.2	1.5	2.5	2.4	.3	.7	.2	2.3	.0	.9	3.6	.2	.2	.0	.0	.0
245.	*	1.9	.3	1.4	2.3	2.3	.3	.8	.3	2.3	.0	.9	3.3	.3	.2	.0	.0	.0
250.	*	2.1	.7	1.2	2.3	2.3	.3	.8	.4	2.0	.0	.9	3.2	.5	.4	.0	.0	.0
255.	*	2.1	1.0	1.1	2.2	2.3	.3	.9	.6	2.0	.0	1.0	2.8	.7	.6	.0	.0	.0
260.	*	2.3	1.3	1.0	2.3	2.3	.2	.9	.8	2.0	.0	1.4	2.4	1.0	.6	.1	.1	.1
265.	*	2.5	2.0	.9	2.1	2.3	.1	.9	1.2	2.0	.0	1.4	2.2	1.3	1.1	.3	.2	.2
270.	*	2.7	2.6	.8	1.9	2.3	.1	.7	1.5	2.0	.0	1.6	1.9	1.8	1.3	.6	.5	.4

275.	*	2.8	3.1	.5	1.9	2.5	.0	.5	1.8	1.9	.2	1.8	1.4	2.1	1.5	.8	.6	.5
280.	*	2.7	3.5	.4	1.8	2.7	.0	.4	2.2	1.9	.2	1.7	1.1	2.5	1.9	1.1	.9	.7
285.	*	2.6	3.9	.2	1.7	2.8	.0	.2	2.4	1.7	.2	1.7	1.1	2.7	2.0	1.4	1.1	.9
290.	*	2.3	4.2	.2	1.8	2.9	.0	.2	2.6	1.6	.3	1.9	.9	2.9	2.3	1.5	1.2	1.0
295.	*	2.0	4.2	.1	1.8	3.2	.0	.1	2.8	1.8	.4	1.7	.9	3.0	2.5	1.8	1.5	1.2
300.	*	1.8	4.3	.1	1.9	3.4	.0	.1	3.0	1.8	.5	1.8	.9	3.1	2.7	1.9	1.7	1.4
305.	*	1.6	4.2	.1	1.9	3.5	.0	.1	3.0	1.8	.7	2.0	.9	3.1	2.7	2.1	1.9	1.6
310.	*	1.6	4.1	.0	1.9	3.5	.0	.0	2.9	1.7	.9	2.2	.9	3.2	2.7	2.2	2.0	1.8
315.	*	1.5	3.9	.0	1.9	3.4	.1	.0	2.9	1.7	1.0	2.4	.8	3.1	2.8	2.5	2.2	1.9
320.	*	1.6	3.7	.0	2.1	3.3	.1	.0	3.0	1.9	1.2	2.6	.8	3.1	2.8	2.5	2.2	2.1
325.	*	1.4	3.5	.0	2.0	3.5	.1	.0	2.9	1.8	1.3	2.5	.7	3.1	2.8	2.6	2.4	2.1
330.	*	1.8	3.4	.1	2.1	3.3	.1	.0	2.9	1.9	1.4	2.4	.8	3.2	2.7	2.6	2.4	2.2
335.	*	2.2	3.3	.1	2.1	3.3	.1	.0	3.0	1.8	1.4	2.3	.7	3.2	2.8	2.7	2.5	2.4
340.	*	2.4	3.2	.4	2.1	3.1	.4	.0	3.1	1.8	1.3	2.2	.7	3.3	2.9	2.8	2.6	2.4
345.	*	2.5	3.1	.8	2.1	3.2	.7	.0	3.2	1.9	1.7	1.9	.5	3.5	3.0	2.9	2.7	2.5
350.	*	2.8	3.2	1.2	1.9	2.9	1.0	.0	3.3	1.7	2.1	1.8	.5	3.6	3.1	3.0	2.8	2.6
355.	*	2.8	3.2	1.9	1.8	2.7	1.6	.0	3.4	1.6	2.1	1.5	.2	3.7	3.2	3.2	2.9	2.7
360.	*	2.8	3.5	2.5	1.4	2.4	2.2	.2	3.8	1.2	2.4	1.4	.2	4.1	3.5	3.6	3.3	3.0
MAX	*	3.1	4.3	3.7	3.8	3.5	4.0	3.0	5.2	2.7	2.6	2.6	3.7	5.0	5.2	4.4	4.3	4.3
DEGR.	*	195	300	15	180	305	135	150	65	220	60	320	235	25	65	25	20	35

THE HIGHEST CONCENTRATION OF 5.20 PPM OCCURRED AT RECEPTOR REC8 .CAMP 2006 Hour 14 CAL3QHC: LINE SOURCE

CAMP 2006 Hour 14 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE

JOB: CAMP REVISED LINKS RUN:

DATE : 8/23/99
TIME : 14:26:45

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 15. DEGREES

LINK VARIABLES

LINK DESCRIPTION	*	X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	*	-15.0	572.0	-15.0	115.0	*	457.	180.	AG	687.	14.6	.0	50.0		
2. BROADWAY SB@CHAMPA Q	*	-15.0	171.0	-15.0	218.6	*	48.	360.	AG	530.	100.0	.0	30.0	.26	2.4
3. BROADWAY SB @ STOUT	*	-15.0	115.0	-15.0	-356.0	*	471.	180.	AG	737.	14.6	.0	49.0		
4. BROADWAY SB@STOUT Q	*	-15.0	-312.0	-15.0	-265.1	*	47.	360.	AG	488.	100.0	.0	29.0	.26	2.4
5. BROADWAY NB @ STOUT	*	10.0	-815.0	10.0	-312.0	*	503.	360.	AG	430.	14.6	.0	40.0		
6. BROADWAY NB @STOUT Q	*	10.0	-400.0	10.0	-441.1	*	41.	180.	AG	326.	100.0	.0	20.0	.22	2.1
7. BROADWAY NB @ CHAMPA	*	22.0	-312.0	22.0	580.0	*	892.	360.	AG	430.	14.6	.0	43.0		
8. BROADWAY NB @CHAMPAQ	*	22.0	99.0	22.0	54.3	*	45.	180.	AG	353.	100.0	.0	23.0	.24	2.3
9. BROADWAY NB @ CURTIS	*	17.5	148.0	17.5	639.0	*	491.	360.	AG	351.	14.6	.0	52.0		
10. BROADWAY NB @CURTISQ	*	17.5	580.0	17.5	552.5	*	28.	180.	AG	600.	100.0	.0	32.0	.16	1.4
11. CHAMPA SWB @ BROADW	*	518.0	653.0	.0	131.0	*	735.	225.	AG	324.	18.8	.0	56.0		
12. CHAMPA SWB @BROADW Q	*	58.0	190.0	69.4	201.5	*	16.	45.	AG	474.	100.0	.0	36.0	.09	.8
13. CHAMPA SWB @ 20TH	*	.0	131.0	-470.0	-353.0	*	675.	224.	AG	404.	18.8	.0	59.0		
14. CHAMPA SWB @ 20TH Q	*	-442.0	-325.0	-426.2	-308.7	*	23.	44.	AG	530.	100.0	.0	39.0	.12	1.2

15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	87.	20.9	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	94.	20.9	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	23.	20.9	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	24.	20.9	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	152.	20.9	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	152.	20.9	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	45.	20.9	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	85.5	3.	180.	AG	298.	100.0	.0	11.0	.05	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-208.5	3.	180.	AG	298.	100.0	.0	10.0	.05	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-112.5	3.	360.	AG	298.	100.0	.0	10.0	.05	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	648.	14.6	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	36.	20.9	.0	37.0		

PAGE 2

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	687	2000	130.05	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	737	2000	130.05	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	430	2000	130.05	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	430	2000	130.05	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	351	2000	130.05	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	263	2000	130.05	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	328	2000	130.05	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	10	2000	130.05	2	3
23. BROADWAY NB @21QL	75	64	2.0	10	2000	130.05	2	3
24. BROADWAY SB @21QL	75	64	2.0	10	2000	130.05	2	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. RECEPTOR 1 CAMP	-61.0	.0	10.0
2. REC 2	-40.0	232.0	6.0
3. REC 3	-40.0	132.0	6.0
4. REC 4	-90.0	82.0	6.0
5. REC 5	-149.0	21.0	6.0
6. REC 6	-40.0	48.0	6.0
7. REC 7	-106.5	-20.0	6.0
8. REC 8	-40.0	-27.0	6.0
9. REC 9	-40.0	-163.0	6.0
10. REC 10	-40.0	-263.0	6.0
11. REC 11	43.5	-66.0	6.0
12. REC 12	43.5	-243.0	6.0
13. REC 13	43.5	-166.0	6.0
14. REC 14	43.5	-15.0	6.0
15. REC 15	93.5	185.0	6.0
16. REC 16	93.5	266.0	6.0
17. REC 17	43.5	316.0	6.0

```
    18. REC 18               *       43.5      216.0        6.0   *
    19. REC 19               *       43.5      135.0        6.0   *
    20. REC 20               *      -40.0      -85.5        6.0   *
    21. REC 21               *      142.1      235.0        6.0   *
    22. REC 22               *      143.5     -266.0        6.0   *
    23. REC 23               *       43.5       35.0        6.0   *
    24. REC 24               *      143.5      316.0        6.0   *
    25. REC 25               *     -189.4      -18.0        6.0   *
    26. REC 26               *     -146.0      -61.5        6.0   *
    27. REC 27               *      -90.0     -113.0        6.0   *

                                                                                                                              PAGE  3
     JOB: CAMP REVISED LINKS                                    RUN:

      MODEL RESULTS
      -------------

      REMARKS : In search of the angle corresponding to
                the maximum concentration, only the first
                angle, of the angles with same maximum
                concentrations, is indicated as maximum.

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
 15.  *    .9    .7   1.4    .5    .1   1.4    .7   1.1   1.1    .8    .2    .2    .2    .3    .3    .0    .2    .2    .8   1.1
                                                                                                                              PAGE  4

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 15.  *    .3    .0    .3    .0    .2    .7    .7
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.40 PPM OCCURRED AT RECEPTOR REC3 .
```

CAMP 2006 Hour 15 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE

DATE : 8/23/99
TIME : 11:41:49

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.1 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 2. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	609.	14.5	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	213.2	42.	360.	AG	525.	100.0	.0	30.0	.23	2.1
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	654.	14.5	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-270.3	42.	360.	AG	483.	100.0	.0	29.0	.23	2.1
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	884.	14.5	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-472.2	72.	180.	AG	322.	100.0	.0	20.0	.39	3.7
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	720.	14.5	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	35.2	64.	180.	AG	350.	100.0	.0	23.0	.35	3.2
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1144.	14.5	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	503.6	76.	180.	AG	594.	100.0	.0	32.0	.44	3.9
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	430.	18.8	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	73.1	205.2	21.	45.	AG	469.	100.0	.0	36.0	.12	1.1
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	536.	18.8	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-421.3	-303.7	30.	44.	AG	525.	100.0	.0	39.0	.16	1.5
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	106.	20.8	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	106.	20.8	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	35.	20.8	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	35.	20.8	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	150.	20.8	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	150.	20.8	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	44.	20.8	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	85.5	3.	180.	AG	295.	100.0	.0	11.0	.05	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-208.5	3.	180.	AG	295.	100.0	.0	10.0	.05	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-112.5	3.	360.	AG	295.	100.0	.0	10.0	.05	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	767.	14.5	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	35.	20.8	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	609	2000	128.68	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	654	2000	128.68	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	755	2000	128.68	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	615	2000	128.68	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	977	2000	128.68	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	346	2000	128.68	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	431	2000	128.68	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	10	2000	128.68	2	3

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     23. BROADWAY NB @21QL   *      75       64       2.0        10       2000     128.68      2        3
     24. BROADWAY SB @21QL   *      75       64       2.0        10       2000     128.68      2        3

ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
  2.  *    .7    .8   1.2    .2    .0   1.3    .5   1.1   1.2    .9   1.0    .9   1.0   1.4    .5    .2   1.2   1.2   1.6   1.0

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
  2.  *    .3    .0   1.4    .0    .1    .4    .6
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.60 PPM OCCURRED AT RECEPTOR REC19.
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CAMP 2006 Hour 16 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/23/99
TIME : 11:40:42

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 29. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	749.	24.9	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	222.7	52.	360.	AG	524.	100.0	.0	30.0	.28	2.6
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	803.	24.9	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-260.9	51.	360.	AG	482.	100.0	.0	29.0	.28	2.6
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	1087.	12.9	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-488.8	89.	180.	AG	321.	100.0	.0	20.0	.48	4.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	886.	12.9	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	20.5	79.	180.	AG	349.	100.0	.0	23.0	.43	4.0
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1407.	12.9	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	485.9	94.	180.	AG	592.	100.0	.0	32.0	.54	4.8
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	529.	20.8	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	76.6	208.7	26.	45.	AG	468.	100.0	.0	36.0	.14	1.3
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	658.	20.8	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-416.5	-298.7	37.	44.	AG	524.	100.0	.0	39.0	.20	1.9
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	131.	23.8	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	131.	23.8	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	44.	23.8	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	44.	23.8	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	185.	23.8	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	185.	23.8	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	54.	23.8	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	84.8	4.	180.	AG	294.	100.0	.0	11.0	.06	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-209.2	4.	180.	AG	294.	100.0	.0	10.0	.06	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-111.8	4.	360.	AG	294.	100.0	.0	10.0	.06	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	942.	24.9	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	44.	23.8	.0	37.0		

PAGE 2

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	749	2000	128.41	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	803	2000	128.41	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	928	2000	128.41	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	756	2000	128.41	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	1201	2000	128.41	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	426	2000	128.41	1	3

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     14. CHAMPA SWB @ 20TH Q *      75       38       2.0       530       2000     128.41      1        3
     22. BROADWAY NB @CHAMPQL*      75       64       2.0        12       2000     128.41      2        3
     23. BROADWAY NB @21QL   *      75       64       2.0        12       2000     128.41      2        3
     24. BROADWAY SB @21QL   *      75       64       2.0        12       2000     128.41      2        3

ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
 29.  *   1.7   1.7   2.4   1.4    .9   2.4   1.5   2.0   1.6   1.3    .2    .2    .2    .2    .6    .2    .2    .4   1.1   1.6

ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 29.  *    .6    .0    .3    .2    .9   1.6   1.2
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    2.40 PPM OCCURRED AT RECEPTOR REC3 .
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CAMP 2006 Hour 17 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1
DATE : 8/25/99
TIME : 12:44:30

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 51. DEGREES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	842.	15.9	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	222.7	52.	360.	AG	519.	100.0	.0	30.0	.28	2.6
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	903.	15.9	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-260.7	51.	360.	AG	478.	100.0	.0	29.0	.28	2.6
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	1222.	15.9	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-488.8	89.	180.	AG	319.	100.0	.0	20.0	.48	4.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	996.	8.2	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	20.5	79.	180.	AG	346.	100.0	.0	23.0	.43	4.0
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1582.	8.2	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	485.9	94.	180.	AG	587.	100.0	.0	32.0	.54	4.8
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	594.	13.2	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	76.6	208.7	26.	45.	AG	464.	100.0	.0	36.0	.14	1.3
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	740.	13.2	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-416.5	-298.7	37.	44.	AG	519.	100.0	.0	39.0	.20	1.9
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	147.	15.9	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	147.	15.9	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	49.	15.9	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	208.	15.9	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	208.	15.9	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	61.	15.9	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	49.	15.9	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	84.8	4.	180.	AG	291.	100.0	.0	11.0	.06	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-209.2	4.	180.	AG	291.	100.0	.0	10.0	.06	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-111.8	4.	360.	AG	291.	100.0	.0	10.0	.06	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	1059.	15.9	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	49.	15.9	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	749	2000	127.32	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	804	2000	127.32	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	928	2000	127.32	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	756	2000	127.32	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	1202	2000	127.32	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	426	2000	127.32	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	530	2000	127.32	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	12	2000	127.32	2	3
23. BROADWAY NB @21QL	75	64	2.0	12	2000	127.32	2	3
24. BROADWAY SB @21QL	75	64	2.0	12	2000	127.32	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
 51.  *    .8   1.1   1.6   1.2   1.0   1.3    .8   1.0    .8    .8    .0    .1    .0    .0    .2    .4    .1    .4    .4    .7

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*-----------------------------------------
 51.  *    .2    .0    .0    .4   1.2    .8    .6
------*-----------------------------------------
THE HIGHEST CONCENTRATION OF    1.60 PPM OCCURRED AT RECEPTOR REC3 .
```

CAMP 2006 Hour 18 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/25/99
TIME : 12:47: 9

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 146. DEGREES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	495.	24.1	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	201.3	30.	360.	AG	532.	100.0	.0	30.0	.17	1.5
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	531.	24.1	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-282.0	30.	360.	AG	490.	100.0	.0	29.0	.16	1.5
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	310.	24.1	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-426.4	26.	180.	AG	327.	100.0	.0	20.0	.14	1.3
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	310.	12.4	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	70.3	29.	180.	AG	355.	100.0	.0	23.0	.16	1.5
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	253.	12.4	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	562.4	18.	180.	AG	602.	100.0	.0	32.0	.10	.9
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	234.	20.2	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	65.3	197.4	10.	45.	AG	476.	100.0	.0	36.0	.06	.5
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	291.	20.2	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-431.9	-314.6	15.	44.	AG	532.	100.0	.0	39.0	.08	.7
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	63.	23.0	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	68.	23.0	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	16.	23.0	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	109.	23.0	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	109.	23.0	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	32.	23.0	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	26.	23.0	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	86.6	2.	180.	AG	299.	100.0	.0	11.0	.04	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-207.4	2.	180.	AG	299.	100.0	.0	10.0	.04	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-113.6	2.	360.	AG	299.	100.0	.0	10.0	.04	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	467.	23.0	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	17.	23.0	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	440	2000	130.47	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	473	2000	130.47	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	276	2000	130.47	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	276	2000	130.47	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	225	2000	130.47	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	169	2000	130.47	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	210	2000	130.47	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	7	2000	130.47	2	3
23. BROADWAY NB @21QL	75	64	2.0	7	2000	130.47	2	3
24. BROADWAY SB @21QL	75	64	2.0	7	2000	130.47	2	3

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WIND   * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
146.  *    .4   1.4   1.0    .6    .4    .6    .2    .6    .6   1.5    .0    .0    .1    .0    .0    .1    .1    .6    .0    .6

WIND   * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
146.  *    .0    .1    .0    .1    .3    .2    .3
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.50 PPM OCCURRED AT RECEPTOR REC10.
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CAMP 2006 Hour 19 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/23/99
TIME : 11:30:23

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 223. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	583.	15.2	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	211.3	40.	360.	AG	554.	100.0	.0	30.0	.22	2.0
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	625.	15.2	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-272.2	40.	360.	AG	510.	100.0	.0	29.0	.22	2.0
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	365.	15.2	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-434.8	35.	180.	AG	340.	100.0	.0	20.0	.19	1.8
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	365.	15.2	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	61.2	38.	180.	AG	369.	100.0	.0	23.0	.21	1.9
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	298.	15.2	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	556.7	23.	180.	AG	627.	100.0	.0	32.0	.13	1.2
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	275.	19.6	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	67.7	199.8	14.	45.	AG	496.	100.0	.0	36.0	.08	.7
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	343.	19.6	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-428.7	-311.3	19.	44.	AG	554.	100.0	.0	39.0	.10	1.0
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	74.	21.1	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	80.	21.1	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	19.	21.1	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	20.	21.1	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	129.	21.1	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	129.	21.1	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	38.	21.1	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	85.9	3.	180.	AG	311.	100.0	.0	11.0	.05	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-208.1	3.	180.	AG	311.	100.0	.0	10.0	.05	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-112.9	3.	360.	AG	311.	100.0	.0	10.0	.05	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	551.	15.2	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	30.	21.1	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	583	2000	135.91	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	625	2000	135.91	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	365	2000	135.91	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	365	2000	135.91	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	298	2000	135.91	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	223	2000	135.91	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	278	2000	135.91	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	9	2000	135.91	2	3
23. BROADWAY NB @21QL	75	64	2.0	9	2000	135.91	2	3
24. BROADWAY SB @21QL	75	64	2.0	9	2000	135.91	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------------
223.  *    .1    .1    .3    .3    .3    .3    .4    .0    .0    .0    .4    .9    .6    .4    .5    .9    .8   1.2   1.0    .1

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
223.  *    .7    .3    .4    .7    .2    .3    .0
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.20 PPM OCCURRED AT RECEPTOR REC18.
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CAMP 2006 Hour 20 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1
DATE : 8/25/99
TIME : 14:24:37
The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 221. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	492.	15.8	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	205.1	34.	360.	AG	542.	100.0	.0	30.0	.19	1.7
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	528.	15.8	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-278.3	34.	360.	AG	499.	100.0	.0	29.0	.18	1.7
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	309.	15.8	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-429.5	29.	180.	AG	333.	100.0	.0	20.0	.16	1.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	309.	15.8	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	67.0	32.	180.	AG	361.	100.0	.0	23.0	.18	1.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	252.	15.8	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	560.2	20.	180.	AG	613.	100.0	.0	32.0	.11	1.0
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	233.	20.4	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	66.3	198.3	12.	45.	AG	485.	100.0	.0	36.0	.06	.6
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	290.	20.4	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-430.7	-313.4	16.	44.	AG	542.	100.0	.0	39.0	.09	.8
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	63.	22.0	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	67.	22.0	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	16.	22.0	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	17.	22.0	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	109.	22.0	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	109.	22.0	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	32.	22.0	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	86.6	2.	180.	AG	304.	100.0	.0	11.0	.04	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-207.4	2.	180.	AG	304.	100.0	.0	10.0	.04	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-113.6	2.	360.	AG	304.	100.0	.0	10.0	.04	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	465.	15.8	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	26.	22.0	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	492	2000	132.97	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	528	2000	132.97	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	309	2000	132.97	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	309	2000	132.97	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	252	2000	132.97	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	189	2000	132.97	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	235	2000	132.97	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	7	2000	132.97	2	3
23. BROADWAY NB @21QL	75	64	2.0	7	2000	132.97	2	3
24. BROADWAY SB @21QL	75	64	2.0	7	2000	132.97	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
221.  *    .1    .1    .3    .3    .3    .2    .3    .0    .0    .0    .4    .8    .6    .4    .5    .8    .8   1.0    .9    .1

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
221.  *    .6    .3    .4    .7    .2    .2    .0
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.00 PPM OCCURRED AT RECEPTOR REC18.
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CAMP 2006 Hour 21 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/25/99

TIME : 13:51: 7

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM

U = 1.1 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 267. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	427.	16.3	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	204.2	33.	360.	AG	557.	100.0	.0	30.0	.18	1.7
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	459.	16.3	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-279.1	33.	360.	AG	513.	100.0	.0	29.0	.18	1.7
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	268.	16.3	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-428.7	29.	180.	AG	342.	100.0	.0	20.0	.16	1.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	268.	16.3	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	67.8	31.	180.	AG	371.	100.0	.0	23.0	.17	1.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	218.	16.3	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	561.0	19.	180.	AG	630.	100.0	.0	32.0	.11	1.0
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	202.	21.1	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	66.0	198.0	11.	45.	AG	498.	100.0	.0	36.0	.06	.6
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	251.	21.1	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-431.0	-313.7	16.	44.	AG	557.	100.0	.0	39.0	.09	.8
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	54.	22.6	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	58.	22.6	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	14.	22.6	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	15.	22.6	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	95.	22.6	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	95.	22.6	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	28.	22.6	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	86.6	2.	180.	AG	313.	100.0	.0	11.0	.04	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-207.4	2.	180.	AG	313.	100.0	.0	10.0	.04	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-113.6	2.	360.	AG	313.	100.0	.0	10.0	.04	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	404.	16.3	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	22.	22.6	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	480	2000	136.54	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	516	2000	136.54	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	301	2000	136.54	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	301	2000	136.54	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	245	2000	136.54	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	184	2000	136.54	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	229	2000	136.54	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	7	2000	136.54	2	3
23. BROADWAY NB @21QL	75	64	2.0	7	2000	136.54	2	3
24. BROADWAY SB @21QL	75	64	2.0	7	2000	136.54	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
267.  *    .1    .0    .0    .0    .0    .2    .3    .1    .1    .0    .3    .2    .3    .3   1.0    .3    .3    .6    .4    .2

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
267.  *    .3    .2    .3    .1    .0    .2    .1
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.00 PPM OCCURRED AT RECEPTOR REC15.
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CAMP 2006 Hour 22 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/25/99
TIME : 13:49:30

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 82. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	277.	15.8	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	190.1	19.	360.	AG	557.	100.0	.0	30.0	.10	1.0
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	297.	15.8	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-293.1	19.	360.	AG	513.	100.0	.0	29.0	.10	1.0
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	173.	15.8	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-416.5	16.	180.	AG	342.	100.0	.0	20.0	.09	.8
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	173.	15.8	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	81.1	18.	180.	AG	371.	100.0	.0	23.0	.10	.9
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	141.	15.8	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	568.9	11.	180.	AG	630.	100.0	.0	32.0	.06	.6
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	131.	20.5	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	62.6	194.6	7.	45.	AG	498.	100.0	.0	36.0	.04	.3
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	163.	20.5	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-435.6	-318.4	9.	44.	AG	557.	100.0	.0	39.0	.05	.5
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	35.	22.2	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	38.	22.2	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	9.	22.2	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	61.	22.2	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	61.	22.2	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	18.	22.2	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	14.	22.2	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	87.6	1.	180.	AG	313.	100.0	.0	11.0	.02	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-206.4	1.	180.	AG	313.	100.0	.0	10.0	.02	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-114.6	1.	360.	AG	313.	100.0	.0	10.0	.02	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	261.	15.8	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	10.	22.2	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	277	2000	136.54	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	297	2000	136.54	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	173	2000	136.54	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	173	2000	136.54	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	141	2000	136.54	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	106	2000	136.54	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	132	2000	136.54	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	4	2000	136.54	2	3
23. BROADWAY NB @21QL	75	64	2.0	4	2000	136.54	2	3
24. BROADWAY SB @21QL	75	64	2.0	4	2000	136.54	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
 82.  *    .1    .2    .4    .3    .2    .2    .1    .2    .2    .2    .0    .0    .0    .0    .0    .1    .0    .1    .0    .2

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 82.  *    .0    .0    .0    .1    .1    .1    .1
------*------------------------------------------
THE HIGHEST CONCENTRATION OF     .40 PPM OCCURRED AT RECEPTOR REC3.
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CAMP 2006 Hour 23 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

DATE : 8/25/99
TIME : 14:13: 7

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 208. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	155.	17.6	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	181.6	11.	360.	AG	604.	100.0	.0	30.0	.06	.5
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	167.	17.6	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-301.5	11.	360.	AG	556.	100.0	.0	29.0	.06	.5
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	97.	17.6	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-409.2	9.	180.	AG	371.	100.0	.0	20.0	.05	.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	97.	17.6	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	89.0	10.	180.	AG	402.	100.0	.0	23.0	.05	.5
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	79.	17.6	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	573.9	6.	180.	AG	683.	100.0	.0	32.0	.03	.3
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	73.	22.8	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	60.6	192.6	4.	45.	AG	540.	100.0	.0	36.0	.02	.2
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	91.	22.8	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-438.5	-321.4	5.	44.	AG	604.	100.0	.0	39.0	.03	.3
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	20.	24.5	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	21.	24.5	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	5.	24.5	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	5.	24.5	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	34.	24.5	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	34.	24.5	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	10.	24.5	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	88.3	1.	180.	AG	339.	100.0	.0	11.0	.01	.0
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-205.7	1.	180.	AG	339.	100.0	.0	10.0	.01	.0
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-115.3	1.	360.	AG	339.	100.0	.0	10.0	.01	.0
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	147.	17.6	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	8.	24.5	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	155	2000	148.05	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	167	2000	148.05	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	97	2000	148.05	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	97	2000	148.05	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	79	2000	148.05	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	60	2000	148.05	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	74	2000	148.05	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	2	2000	148.05	2	3
23. BROADWAY NB @21QL	75	64	2.0	2	2000	148.05	2	3
24. BROADWAY SB @21QL	75	64	2.0	2	2000	148.05	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
208.  *    .0    .0    .1    .1    .1    .0    .0    .0    .0    .0    .2    .2    .3    .2    .0    .1    .4    .3    .4    .0

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
208.  *    .0    .0    .2    .1    .1    .0    .0
------*------------------------------------------
THE HIGHEST CONCENTRATION OF     .40 PPM OCCURRED AT RECEPTOR REC17.
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CAMP 2013 1.7% Oxy Hour 14 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
DATE : 9/ 1/99
TIME : 10:11:27
The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 15. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	788.	13.6	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	225.4	54.	360.	AG	560.	100.0	.0	30.0	.30	2.8
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	845.	13.6	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-258.2	54.	360.	AG	516.	100.0	.0	29.0	.29	2.7
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	494.	13.6	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-447.3	47.	180.	AG	344.	100.0	.0	20.0	.26	2.4
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	494.	13.6	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	47.7	51.	180.	AG	373.	100.0	.0	23.0	.28	2.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	403.	13.6	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	548.5	32.	180.	AG	634.	100.0	.0	32.0	.18	1.6
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	372.	17.7	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	71.1	203.2	19.	45.	AG	501.	100.0	.0	36.0	.10	.9
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	463.	17.7	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-423.9	-306.4	26.	44.	AG	560.	100.0	.0	39.0	.14	1.3
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	100.	19.6	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	108.	19.6	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	26.	19.6	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	174.	19.6	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	174.	19.6	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	51.	19.6	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	41.	19.6	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	84.8	4.	180.	AG	314.	100.0	.0	11.0	.06	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-209.2	4.	180.	AG	314.	100.0	.0	10.0	.06	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-111.8	4.	360.	AG	314.	100.0	.0	10.0	.06	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	744.	13.6	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	27.	19.6	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	788	2000	137.34	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	845	2000	137.34	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	494	2000	137.34	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	494	2000	137.34	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	403	2000	137.34	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	302	2000	137.34	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	376	2000	137.34	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	12	2000	137.34	2	3
23. BROADWAY NB @21QL	75	64	2.0	12	2000	137.34	2	3
24. BROADWAY SB @21QL	75	64	2.0	12	2000	137.34	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
 15.  *    .9    .8   1.6    .6    .1   1.5    .8   1.3   1.3    .8    .3    .2    .2    .3    .3    .0    .2    .2    .8   1.3

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 15.  *    .3    .0    .3    .0    .2    .6    .8
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.60 PPM OCCURRED AT RECEPTOR REC3 .
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CAMP 2013 1.7% Oxy Hour 15 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

DATE : 9/ 1/99
TIME : 10:13:19

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.1 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 2. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	699.	13.6	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	219.4	48.	360.	AG	560.	100.0	.0	30.0	.27	2.5
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	750.	13.6	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-264.2	48.	360.	AG	516.	100.0	.0	29.0	.26	2.4
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	1014.	13.6	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-482.9	83.	180.	AG	344.	100.0	.0	20.0	.45	4.2
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	827.	13.6	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	25.7	73.	180.	AG	373.	100.0	.0	23.0	.40	3.7
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1313.	13.6	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	492.3	88.	180.	AG	634.	100.0	.0	32.0	.50	4.5
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	494.	17.6	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	75.3	207.4	25.	45.	AG	501.	100.0	.0	36.0	.13	1.2
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	614.	17.6	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-418.1	-300.4	34.	44.	AG	560.	100.0	.0	39.0	.19	1.7
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	122.	19.6	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	122.	19.6	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	41.	19.6	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	173.	19.6	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	173.	19.6	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	51.	19.6	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	41.	19.6	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	85.2	4.	180.	AG	314.	100.0	.0	11.0	.06	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-208.8	4.	180.	AG	314.	100.0	.0	10.0	.06	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-112.2	4.	360.	AG	314.	100.0	.0	10.0	.06	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	880.	13.6	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	41.	19.6	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	699	2000	137.34	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	750	2000	137.34	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	866	2000	137.34	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	706	2000	137.34	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	1121	2000	137.34	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	397	2000	137.34	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	495	2000	137.34	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	11	2000	137.34	2	3
23. BROADWAY NB @21QL	75	64	2.0	11	2000	137.34	2	3
24. BROADWAY SB @21QL	75	64	2.0	11	2000	137.34	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*----------------------------------------------------------------------------------------------------------------------------
  2.  *    .8    .8   1.2    .3    .0   1.3    .6   1.1   1.2   1.0   1.3    .9   1.0   1.5    .6    .2   1.2   1.2   1.7   1.1

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
  2.  *    .3    .1   1.5    .0    .1    .5    .7
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.70 PPM OCCURRED AT RECEPTOR REC19.
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CAMP 2013 1.7% Oxy Hour 16 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

DATE : 9/ 1/99
TIME : 10:15:14

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 29. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	859.	23.0	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	230.4	59.	360.	AG	495.	100.0	.0	30.0	.33	3.0
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	922.	23.0	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-253.2	59.	360.	AG	456.	100.0	.0	29.0	.32	3.0
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	1247.	11.9	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-501.8	102.	180.	AG	304.	100.0	.0	20.0	.55	5.2
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	1016.	11.9	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	8.8	90.	180.	AG	330.	100.0	.0	23.0	.49	4.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1614.	11.9	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	472.1	108.	180.	AG	560.	100.0	.0	32.0	.62	5.5
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	607.	19.3	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	79.2	211.4	30.	45.	AG	443.	100.0	.0	36.0	.16	1.5
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	755.	19.3	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-412.8	-294.9	42.	44.	AG	495.	100.0	.0	39.0	.23	2.1
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	150.	22.1	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	150.	22.1	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	50.	22.1	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	212.	22.1	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	212.	22.1	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	62.	22.1	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	50.	22.1	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	84.1	5.	180.	AG	278.	100.0	.0	11.0	.08	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-209.9	5.	180.	AG	278.	100.0	.0	10.0	.08	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-111.1	5.	360.	AG	278.	100.0	.0	10.0	.08	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	1081.	23.0	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	50.	22.1	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	859	2000	121.31	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	922	2000	121.31	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	1065	2000	121.31	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	868	2000	121.31	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	1378	2000	121.31	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	488	2000	121.31	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	608	2000	121.31	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	14	2000	121.31	2	3
23. BROADWAY NB @21QL	75	64	2.0	14	2000	121.31	2	3
24. BROADWAY SB @21QL	75	64	2.0	14	2000	121.31	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
 29.  *   1.7   1.8   2.5   1.5   1.0   2.5   1.6   2.2   1.5   1.4    .2    .3    .2    .2    .6    .2    .2    .4   1.2   1.7

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 29.  *    .6    .0    .3    .2    .9   1.5   1.3
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    2.50 PPM OCCURRED AT RECEPTOR REC3 .
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CAMP 2013 1.7% Oxy Hour 17 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

DATE : 9/ 1/99
TIME : 10:16:58

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 51. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	859.	15.8	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	230.4	59.	360.	AG	495.	100.0	.0	30.0	.33	3.0
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	922.	15.8	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-253.2	59.	360.	AG	456.	100.0	.0	29.0	.32	3.0
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	1247.	8.1	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-501.8	102.	180.	AG	304.	100.0	.0	20.0	.55	5.2
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	1016.	8.1	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	8.8	90.	180.	AG	330.	100.0	.0	23.0	.49	4.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	1615.	8.1	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	472.1	108.	180.	AG	560.	100.0	.0	32.0	.62	5.5
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	607.	13.1	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	79.4	211.5	30.	45.	AG	443.	100.0	.0	36.0	.17	1.5
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	756.	13.1	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-412.8	-294.9	42.	44.	AG	495.	100.0	.0	39.0	.23	2.1
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	150.	15.8	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	150.	15.8	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	50.	15.8	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	212.	15.8	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	212.	15.8	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	62.	15.8	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	50.	15.8	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	84.1	5.	180.	AG	278.	100.0	.0	11.0	.08	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-209.9	5.	180.	AG	278.	100.0	.0	10.0	.08	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-111.1	5.	360.	AG	278.	100.0	.0	10.0	.08	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	1082.	15.8	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	50.	15.8	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	859	2000	121.31	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	922	2000	121.31	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	1065	2000	121.31	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	868	2000	121.31	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	1379	2000	121.31	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	489	2000	121.31	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	608	2000	121.31	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	14	2000	121.31	2	3
23. BROADWAY NB @21QL	75	64	2.0	14	2000	121.31	2	3
24. BROADWAY SB @21QL	75	64	2.0	14	2000	121.31	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
 51.  *    .8   1.1   1.8   1.3   1.1   1.3    .8   1.1    .8   1.0    .0    .1    .0    .0    .2    .4    .1    .4    .4    .8

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 51.  *    .3    .0    .0    .4   1.2    .9    .6
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.80 PPM OCCURRED AT RECEPTOR REC3 .
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CAMP 2013 1.7% Oxy Hour 18              CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
      DATE :  9/ 1/99
      TIME : 10:19:35
The MODE flag has been set to C for calculating CO averages.
       SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM  BRG = 146. DEGREES
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LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	505.	24.0	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	205.9	35.	360.	AG	495.	100.0	.0	30.0	.19	1.8
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	542.	24.0	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-277.6	34.	360.	AG	456.	100.0	.0	29.0	.19	1.8
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	317.	12.4	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-430.2	30.	180.	AG	304.	100.0	.0	20.0	.16	1.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	317.	12.4	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	66.2	33.	180.	AG	330.	100.0	.0	23.0	.18	1.7
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	258.	12.4	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	559.8	20.	180.	AG	560.	100.0	.0	32.0	.12	1.0
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	239.	20.2	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	66.4	198.4	12.	45.	AG	443.	100.0	.0	36.0	.06	.6
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	297.	20.2	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-430.4	-313.1	17.	44.	AG	495.	100.0	.0	39.0	.09	.8
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	64.	22.9	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	69.	22.9	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	17.	22.9	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	112.	22.9	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	112.	22.9	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	33.	22.9	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	26.	22.9	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	86.2	3.	180.	AG	278.	100.0	.0	11.0	.04	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-207.8	3.	180.	AG	278.	100.0	.0	10.0	.04	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-113.2	3.	360.	AG	278.	100.0	.0	10.0	.04	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	477.	24.0	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	18.	22.9	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	505	2000	121.31	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	542	2000	121.31	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	317	2000	121.31	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	317	2000	121.31	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	258	2000	121.31	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	194	2000	121.31	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	241	2000	121.31	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	8	2000	121.31	2	3
23. BROADWAY NB @21QL	75	64	2.0	8	2000	121.31	2	3
24. BROADWAY SB @21QL	75	64	2.0	8	2000	121.31	2	3

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
146.	.5	1.5	1.0	.6	.4	.7	.2	.6	.7	1.6	.0	.0	.1	.0	.0	.1	.1	.7	.0	.6

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27
146.	.0	.1	.0	.1	.3	.2	.3

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC10.

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CAMP 2013 1.7% Oxy Hour 19              CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
      DATE :  9/ 1/99
      TIME : 10:21: 9
         The MODE flag has been set to C for calculating CO averages.
      SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM  BRG = 223. DEGREES

       LINK VARIABLES
       --------------
         LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *   X1        Y1        X2        Y2     *     (FT)  (DEG)           (G/MI)  (FT) (FT)        (VEH)
      ------------------------*----------------------------------------*-----------------------------------------------------------
       1. BROADWAY SB @ CHAMPA*    -15.0     572.0     -15.0     115.0 *     457.   180. AG    669.  14.0    .0 50.0
       2. BROADWAY SB@CHAMPA Q*    -15.0     171.0     -15.0     217.3 *      46.   360. AG    560. 100.0    .0 30.0  .25    2.4
       3. BROADWAY SB @ STOUT *    -15.0     115.0     -15.0    -356.0 *     471.   180. AG    718.  14.0    .0 49.0
       4. BROADWAY SB@STOUT Q *    -15.0    -312.0     -15.0    -266.3 *      46.   360. AG    516. 100.0    .0 29.0  .25    2.3
       5. BROADWAY NB @ STOUT *     10.0    -815.0      10.0    -312.0 *     503.   360. AG    419.  14.0    .0 40.0
       6. BROADWAY NB @STOUT Q*     10.0    -400.0      10.0    -440.0 *      40.   180. AG    344. 100.0    .0 20.0  .22    2.0
       7. BROADWAY NB @ CHAMPA*     22.0    -312.0      22.0     580.0 *     892.   360. AG    419.  14.0    .0 43.0
       8. BROADWAY NB @CHAMPAQ*     22.0      99.0      22.0      55.6 *      43.   180. AG    373. 100.0    .0 23.0  .24    2.2
       9. BROADWAY NB @ CURTIS*     17.5     148.0      17.5     639.0 *     491.   360. AG    342.  14.0    .0 52.0
      10. BROADWAY NB @CURTISQ*     17.5     580.0      17.5     553.2 *      27.   180. AG    634. 100.0    .0 32.0  .15    1.4
      11. CHAMPA SWB @ BROADW *    518.0     653.0        .0     131.0 *     735.   225. AG    316.  18.2    .0 56.0
      12. CHAMPA SWB @BROADW Q*     58.0     190.0      69.1     201.2 *      16.    45. AG    501. 100.0    .0 36.0  .09     .8
      13. CHAMPA SWB @ 20TH   *       .0     131.0    -470.0    -353.0 *     675.   224. AG    393.  18.2    .0 59.0
      14. CHAMPA SWB @ 20TH Q *   -442.0    -325.0    -426.7    -309.2 *      22.    44. AG    560. 100.0    .0 39.0  .12    1.1
      15. 21ST SEB @ CHAMPA   *   -393.0     202.0    -151.0     -27.0 *     333.   133. AG     85.  19.7    .0 37.0
      16. 21ST SEB @ BROADWAY *   -151.0     -27.0        .0    -175.0 *     211.   134. AG     91.  19.7    .0 40.0
      17. 21ST SEB @ STOUT    *       .0    -175.0      89.0    -261.0 *     124.   134. AG     22.  19.7    .0 37.0
      18. 21ST NWB @ STOUT    *    331.0    -472.0     107.0    -255.0 *     312.   314. AG    148.  19.7    .0 38.0
      19. 21ST NWB @ BROADWAY *    107.0    -255.0        .0    -151.0 *     149.   314. AG    148.  19.7    .0 38.0
      20. 21ST NWB @ CHAMPA   *       .0    -151.0    -142.0     -12.0 *     199.   314. AG     44.  19.7    .0 37.0
      21. 21ST NWB @ CURTIS   *   -142.0     -12.0    -381.0     221.0 *     334.   314. AG     35.  19.7    .0 38.0
      22. BROADWAY NB @CHAMPQL*      5.5      89.0       5.5      85.5 *       3.   180. AG    314. 100.0    .0 11.0  .05     .2
      23. BROADWAY NB @21QL   *      5.0    -205.0       5.0    -208.5 *       3.   180. AG    314. 100.0    .0 10.0  .05     .2
      24. BROADWAY SB @21QL   *     -4.5    -116.0      -4.5    -112.5 *       3.   360. AG    314. 100.0    .0 10.0  .05     .2
      25. BROADWAY SB@CALIFORN*    -15.0    -356.0     -15.0    -811.0 *     455.   180. AG    632.  14.0    .0 59.0
      26. 21ST SEB @ CALIF    *     89.0    -261.0     321.0    -487.0 *     324.   134. AG     23.  19.7    .0 37.0

       ADDITIONAL QUEUE LINK PARAMETERS
       --------------------------------
         LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                              *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                              *    (SEC)    (SEC)    (SEC)      (VPH)      (VPH)    (gm/hr)
      ------------------------*--------------------------------------------------------------------------------
       2. BROADWAY SB@CHAMPA Q*      75       38       2.0        669       2000     137.34     1        3
       4. BROADWAY SB@STOUT Q *      75       35       2.0        718       2000     137.34     1        3
       6. BROADWAY NB @STOUT Q*      75       35       2.0        419       2000     137.34     1        3
       8. BROADWAY NB @CHAMPAQ*      75       38       2.0        419       2000     137.34     1        3
      10. BROADWAY NB @CURTISQ*      75       43       2.0        342       2000     137.34     1        3
      12. CHAMPA SWB @BROADW Q*      75       34       2.0        256       2000     137.34     1        3
      14. CHAMPA SWB @ 20TH Q *      75       38       2.0        319       2000     137.34     1        3
      22. BROADWAY NB @CHAMPQL*      75       64       2.0         10       2000     137.34     2        3
      23. BROADWAY NB @21QL   *      75       64       2.0         10       2000     137.34     2        3
      24. BROADWAY SB @21QL   *      75       64       2.0         10       2000     137.34     2        3
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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*-----------------------------------------------------------------------------------------------------------------------
223.  *    .1    .1    .3    .3    .3    .3    .3    .0    .0    .0    .4    .9    .6    .4    .7    .9    .9   1.2   1.0    .0

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*-----------------------------------------
223.  *    .7    .4    .4    .7    .3    .3    .0
------*-----------------------------------------
THE HIGHEST CONCENTRATION OF    1.20 PPM OCCURRED AT RECEPTOR REC18.
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CAMP 2013 1.7% Oxy Hour 20 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
DATE : 9/ 1/99
TIME : 10:22:38
The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 221. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	565.	14.6	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	210.1	39.	360.	AG	560.	100.0	.0	30.0	.21	2.0
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	606.	14.6	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-273.3	39.	360.	AG	516.	100.0	.0	29.0	.21	2.0
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	354.	14.6	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-433.9	34.	180.	AG	344.	100.0	.0	20.0	.18	1.7
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	354.	14.6	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	62.2	37.	180.	AG	373.	100.0	.0	23.0	.20	1.9
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	289.	14.6	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	557.4	23.	180.	AG	634.	100.0	.0	32.0	.13	1.1
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	267.	18.9	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	67.4	199.5	13.	45.	AG	501.	100.0	.0	36.0	.07	.7
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	332.	18.9	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-429.0	-311.6	19.	44.	AG	560.	100.0	.0	39.0	.10	.9
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	72.	20.4	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	77.	20.4	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	19.	20.4	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	125.	20.4	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	125.	20.4	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	37.	20.4	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	29.	20.4	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	85.9	3.	180.	AG	314.	100.0	.0	11.0	.05	.2
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-208.1	3.	180.	AG	314.	100.0	.0	10.0	.05	.2
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-112.9	3.	360.	AG	314.	100.0	.0	10.0	.05	.2
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	533.	14.6	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	20.	20.4	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	565	2000	137.34	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	606	2000	137.34	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	354	2000	137.34	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	354	2000	137.34	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	289	2000	137.34	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	217	2000	137.34	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	270	2000	137.34	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	9	2000	137.34	2	3
23. BROADWAY NB @21QL	75	64	2.0	9	2000	137.34	2	3
24. BROADWAY SB @21QL	75	64	2.0	9	2000	137.34	2	3

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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
221.  *    .1    .1    .3    .3    .3    .2    .2    .0    .0    .0    .4    .8    .6    .4    .5    .9    .8   1.2    .9    .0

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
221.  *    .6    .4    .4    .7    .2    .2    .0
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.20 PPM OCCURRED AT RECEPTOR REC18.
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CAMP 2013 1.7% Oxy Hour 21 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
DATE : 9/ 1/99
TIME : 10:24: 8
The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.1 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 267. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	490.	15.0	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	204.9	34.	360.	AG	560.	100.0	.0	30.0	.19	1.7
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	526.	15.0	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-278.5	33.	360.	AG	516.	100.0	.0	29.0	.18	1.7
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	307.	15.0	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-429.3	29.	180.	AG	344.	100.0	.0	20.0	.16	1.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	307.	15.0	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	67.2	32.	180.	AG	373.	100.0	.0	23.0	.17	1.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	251.	15.0	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	560.5	20.	180.	AG	634.	100.0	.0	32.0	.11	1.0
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	232.	19.5	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	66.1	198.2	12.	45.	AG	501.	100.0	.0	36.0	.06	.6
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	288.	19.5	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-430.7	-313.4	16.	44.	AG	560.	100.0	.0	39.0	.09	.8
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	62.	21.0	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	67.	21.0	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	16.	21.0	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	108.	21.0	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	108.	21.0	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	32.	21.0	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	26.	21.0	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	86.6	2.	180.	AG	314.	100.0	.0	11.0	.04	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-207.4	2.	180.	AG	314.	100.0	.0	10.0	.04	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-113.6	2.	360.	AG	314.	100.0	.0	10.0	.04	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	463.	15.0	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	17.	21.0	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	490	2000	137.34	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	526	2000	137.34	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	307	2000	137.34	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	307	2000	137.34	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	251	2000	137.34	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	188	2000	137.34	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	234	2000	137.34	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	7	2000	137.34	2	3
23. BROADWAY NB @21QL	75	64	2.0	7	2000	137.34	2	3
24. BROADWAY SB @21QL	75	64	2.0	7	2000	137.34	2	3

```
WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*----------------------------------------------------------------------------------------------------------------------
267.  *    .1    .0    .0    .0    .0    .2    .2    .1    .1    .0    .4    .3    .4    .4   1.1    .3    .3    .6    .4    .1

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
267.  *    .5    .3    .4    .2    .0    .2    .1
------*------------------------------------------
THE HIGHEST CONCENTRATION OF    1.10 PPM OCCURRED AT RECEPTOR REC15.
```

```
CAMP 2013 1.7% Oxy Hour 22              CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
      DATE :  9/ 1/99
      TIME : 10:25:46
         The MODE flag has been set to C for calculating CO averages.
       SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM  BRG =  82. DEGREES

       LINK VARIABLES
       --------------
         LINK DESCRIPTION     *        LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                              *   X1       Y1       X2       Y2      *     (FT)  (DEG)            (G/MI)  (FT) (FT)       (VEH)
      ------------------------*---------------------------------------*-----------------------------------------------------------
       1. BROADWAY SB @ CHAMPA*   -15.0    572.0    -15.0    115.0 *     457.   180. AG    282.  15.0    .0 50.0
       2. BROADWAY SB@CHAMPA Q*   -15.0    171.0    -15.0    190.5 *      20.   360. AG    560. 100.0    .0 30.0  .11   1.0
       3. BROADWAY SB @ STOUT *   -15.0    115.0    -15.0   -356.0 *     471.   180. AG    303.  15.0    .0 49.0
       4. BROADWAY SB@STOUT Q *   -15.0   -312.0    -15.0   -292.7 *      19.   360. AG    516. 100.0    .0 29.0  .11   1.0
       5. BROADWAY NB @ STOUT *    10.0   -815.0     10.0   -312.0 *     503.   360. AG    177.  15.0    .0 40.0
       6. BROADWAY NB @STOUT Q*    10.0   -400.0     10.0   -416.8 *      17.   180. AG    344. 100.0    .0 20.0  .09    .9
       7. BROADWAY NB @ CHAMPA*    22.0   -312.0     22.0    580.0 *     892.   360. AG    177.  15.0    .0 43.0
       8. BROADWAY NB @CHAMPAQ*    22.0     99.0     22.0     80.7 *      18.   180. AG    373. 100.0    .0 23.0  .10    .9
       9. BROADWAY NB @ CURTIS*    17.5    148.0     17.5    639.0 *     491.   360. AG    144.  15.0    .0 52.0
      10. BROADWAY NB @CURTISQ*    17.5    580.0     17.5    568.7 *      11.   180. AG    634. 100.0    .0 32.0  .06    .6
      11. CHAMPA SWB @ BROADW *   518.0    653.0       .0    131.0 *     735.   225. AG    133.  19.4    .0 56.0
      12. CHAMPA SWB @BROADW Q*    58.0    190.0     62.7    194.7 *       7.    45. AG    501. 100.0    .0 36.0  .04    .3
      13. CHAMPA SWB @ 20TH   *      .0    131.0   -470.0   -353.0 *     675.   224. AG    166.  19.4    .0 59.0
      14. CHAMPA SWB @ 20TH Q *  -442.0   -325.0   -435.5   -318.3 *       9.    44. AG    560. 100.0    .0 39.0  .05    .5
      15. 21ST SEB @ CHAMPA   *  -393.0    202.0   -151.0    -27.0 *     333.   133. AG     36.  21.0    .0 37.0
      16. 21ST SEB @ BROADWAY *  -151.0    -27.0       .0   -175.0 *     211.   134. AG     39.  21.0    .0 40.0
      17. 21ST SEB @ STOUT    *      .0   -175.0     89.0   -261.0 *     124.   134. AG      9.  21.0    .0 37.0
      18. 21ST NWB @ STOUT    *   331.0   -472.0    107.0   -255.0 *     312.   314. AG     62.  21.0    .0 38.0
      19. 21ST NWB @ BROADWAY *   107.0   -255.0       .0   -151.0 *     149.   314. AG     62.  21.0    .0 38.0
      20. 21ST NWB @ CHAMPA   *      .0   -151.0   -142.0    -12.0 *     199.   314. AG     18.  21.0    .0 37.0
      21. 21ST NWB @ CURTIS   *  -142.0    -12.0   -381.0    221.0 *     334.   314. AG     15.  21.0    .0 38.0
      22. BROADWAY NB @CHAMPQL*     5.5     89.0      5.5     87.6 *       1.   180. AG    314. 100.0    .0 11.0  .02    .1
      23. BROADWAY NB @21QL   *     5.0   -205.0      5.0   -206.4 *       1.   180. AG    314. 100.0    .0 10.0  .02    .1
      24. BROADWAY SB @21QL   *    -4.5   -116.0     -4.5   -114.6 *       1.   360. AG    314. 100.0    .0 10.0  .02    .1
      25. BROADWAY SB@CALIFORN*   -15.0   -356.0    -15.0   -811.0 *     455.   180. AG    267.  15.0    .0 59.0
      26. 21ST SEB @ CALIF    *    89.0   -261.0    321.0   -487.0 *     324.   134. AG     10.  21.0    .0 37.0

       ADDITIONAL QUEUE LINK PARAMETERS
       --------------------------------
         LINK DESCRIPTION     *    CYCLE    RED    CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                              *    LENGTH   TIME   LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                              *    (SEC)   (SEC)    (SEC)      (VPH)     (VPH)     (gm/hr)
      ------------------------*--------------------------------------------------------------------------------
       2. BROADWAY SB@CHAMPA Q*      75      38       2.0       282       2000     137.34     1         3
       4. BROADWAY SB@STOUT Q *      75      35       2.0       303       2000     137.34     1         3
       6. BROADWAY NB @STOUT Q*      75      35       2.0       177       2000     137.34     1         3
       8. BROADWAY NB @CHAMPAQ*      75      38       2.0       177       2000     137.34     1         3
      10. BROADWAY NB @CURTISQ*      75      43       2.0       144       2000     137.34     1         3
      12. CHAMPA SWB @BROADW Q*      75      34       2.0       108       2000     137.34     1         3
      14. CHAMPA SWB @ 20TH Q *      75      38       2.0       135       2000     137.34     1         3
      22. BROADWAY NB @CHAMPQL*      75      64       2.0         4       2000     137.34     2         3
      23. BROADWAY NB @21QL   *      75      64       2.0         4       2000     137.34     2         3
      24. BROADWAY SB @21QL   *      75      64       2.0         4       2000     137.34     2         3
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WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
 82.  *    .1    .2    .4    .3    .2    .2    .1    .2    .2    .2    .0    .0    .0    .0    .0    .1    .0    .1    .0    .2

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
 82.  *    .0    .0    .0    .1    .1    .1    .1
------*------------------------------------------
THE HIGHEST CONCENTRATION OF     .40 PPM OCCURRED AT RECEPTOR REC3 .
```

CAMP 2013 1.7% Oxy Hour 23 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

DATE : 9/ 1/99

TIME : 10:27: 8

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM

U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM BRG = 208. DEGREES

LINK VARIABLES

LINK DESCRIPTION	X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. BROADWAY SB @ CHAMPA	-15.0	572.0	-15.0	115.0	457.	180.	AG	178.	16.2	.0	50.0		
2. BROADWAY SB@CHAMPA Q	-15.0	171.0	-15.0	183.3	12.	360.	AG	560.	100.0	.0	30.0	.07	.6
3. BROADWAY SB @ STOUT	-15.0	115.0	-15.0	-356.0	471.	180.	AG	191.	16.2	.0	49.0		
4. BROADWAY SB@STOUT Q	-15.0	-312.0	-15.0	-299.9	12.	360.	AG	516.	100.0	.0	29.0	.07	.6
5. BROADWAY NB @ STOUT	10.0	-815.0	10.0	-312.0	503.	360.	AG	112.	16.2	.0	40.0		
6. BROADWAY NB @STOUT Q	10.0	-400.0	10.0	-410.7	11.	180.	AG	344.	100.0	.0	20.0	.06	.5
7. BROADWAY NB @ CHAMPA	22.0	-312.0	22.0	580.0	892.	360.	AG	112.	16.2	.0	43.0		
8. BROADWAY NB @CHAMPAQ	22.0	99.0	22.0	87.4	12.	180.	AG	373.	100.0	.0	23.0	.06	.6
9. BROADWAY NB @ CURTIS	17.5	148.0	17.5	639.0	491.	360.	AG	91.	16.2	.0	52.0		
10. BROADWAY NB @CURTISQ	17.5	580.0	17.5	572.9	7.	180.	AG	634.	100.0	.0	32.0	.04	.4
11. CHAMPA SWB @ BROADW	518.0	653.0	.0	131.0	735.	225.	AG	84.	21.0	.0	56.0		
12. CHAMPA SWB @BROADW Q	58.0	190.0	60.9	192.9	4.	45.	AG	501.	100.0	.0	36.0	.02	.2
13. CHAMPA SWB @ 20TH	.0	131.0	-470.0	-353.0	675.	224.	AG	105.	21.0	.0	59.0		
14. CHAMPA SWB @ 20TH Q	-442.0	-325.0	-438.0	-320.8	6.	44.	AG	560.	100.0	.0	39.0	.03	.3
15. 21ST SEB @ CHAMPA	-393.0	202.0	-151.0	-27.0	333.	133.	AG	23.	22.7	.0	37.0		
16. 21ST SEB @ BROADWAY	-151.0	-27.0	.0	-175.0	211.	134.	AG	24.	22.7	.0	40.0		
17. 21ST SEB @ STOUT	.0	-175.0	89.0	-261.0	124.	134.	AG	6.	22.7	.0	37.0		
18. 21ST NWB @ STOUT	331.0	-472.0	107.0	-255.0	312.	314.	AG	39.	22.7	.0	38.0		
19. 21ST NWB @ BROADWAY	107.0	-255.0	.0	-151.0	149.	314.	AG	39.	22.7	.0	38.0		
20. 21ST NWB @ CHAMPA	.0	-151.0	-142.0	-12.0	199.	314.	AG	12.	22.7	.0	37.0		
21. 21ST NWB @ CURTIS	-142.0	-12.0	-381.0	221.0	334.	314.	AG	9.	22.7	.0	38.0		
22. BROADWAY NB @CHAMPQL	5.5	89.0	5.5	88.0	1.	180.	AG	314.	100.0	.0	11.0	.02	.1
23. BROADWAY NB @21QL	5.0	-205.0	5.0	-206.0	1.	180.	AG	314.	100.0	.0	10.0	.02	.1
24. BROADWAY SB @21QL	-4.5	-116.0	-4.5	-115.0	1.	360.	AG	314.	100.0	.0	10.0	.02	.1
25. BROADWAY SB@CALIFORN	-15.0	-356.0	-15.0	-811.0	455.	180.	AG	168.	16.2	.0	59.0		
26. 21ST SEB @ CALIF	89.0	-261.0	321.0	-487.0	324.	134.	AG	6.	22.7	.0	37.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
2. BROADWAY SB@CHAMPA Q	75	38	2.0	178	2000	137.34	1	3
4. BROADWAY SB@STOUT Q	75	35	2.0	191	2000	137.34	1	3
6. BROADWAY NB @STOUT Q	75	35	2.0	112	2000	137.34	1	3
8. BROADWAY NB @CHAMPAQ	75	38	2.0	112	2000	137.34	1	3
10. BROADWAY NB @CURTISQ	75	43	2.0	91	2000	137.34	1	3
12. CHAMPA SWB @BROADW Q	75	34	2.0	68	2000	137.34	1	3
14. CHAMPA SWB @ 20TH Q	75	38	2.0	85	2000	137.34	1	3
22. BROADWAY NB @CHAMPQL	75	64	2.0	3	2000	137.34	2	3
23. BROADWAY NB @21QL	75	64	2.0	3	2000	137.34	2	3
24. BROADWAY SB @21QL	75	64	2.0	3	2000	137.34	2	3

```
WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18 REC19 REC20
------*------------------------------------------------------------------------------------------------------------------------
208.  *    .0    .0    .1    .1    .1    .0    .0    .0    .0    .0    .2    .2    .3    .2    .0    .1    .4    .3    .4    .0

WIND  * CONCENTRATION
ANGLE *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27
------*------------------------------------------
208.  *    .0    .0    .2    .1    .1    .0    .0
------*------------------------------------------
THE HIGHEST CONCENTRATION OF     .40 PPM OCCURRED AT RECEPTOR REC17.
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Appendix I - Federal Register: March 10, 1997 (Volume 62, Number 46)

[Federal Register: March 10, 1997 (Volume 62, Number 46)] [Rules and Regulations] [Page 10690-10700] From the Federal Register Online via GPO Access [wais.access.gpo.gov] [DOCID:fr10mr97-5]

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ENVIRONMENTAL PROTECTION AGENCY

40 CFR Parts 52 and 81

[CO-001-0011; CO-001-0012; CO-001-0013; CO-001-0014; FRL-5692-3]

Clean Air Act Approval and Promulgation of State Implementation Plan for Colorado; Carbon Monoxide Attainment Demonstrations and Related SIP Elements for Denver and Longmont; Clean Air Act Reclassification; Oxygenated Gasoline Program

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rulemaking.

SUMMARY: In this document, EPA is approving the State Implementation Plan (SIP) revisions submitted by the State of Colorado for the purpose of bringing about the attainment of the national ambient air quality standards (NAAQS) for carbon monoxide (CO). The implementation plan revisions were submitted by the State on July 11 and 13, 1994, September 29, 1995, and December 22, 1995 to satisfy certain Federal requirements for an approvable nonattainment area CO SIP for Denver and Longmont. This action includes approval of revisions to Colorado Regulations 11 (vehicle inspection and maintenance (I/M)) and 13 (oxygenated fuels) submitted to satisfy conditions in the SIP, and further revisions to Regulation 13 to shorten the effective period of the oxygenated fuels program. It also includes reclassification of the Denver CO nonattainment area from Moderate to Serious. EPA proposed to approve the July 1994 and September 1995 SIP submissions and to reclassify the Denver area to Serious in the Federal Register on July 9, 1996. EPA published a supplemental proposal to approve the December 22, 1995 SIP submission shortening the oxygenated fuels program period and to approve the Denver and Longmont CO SIPs based on the shortened period on December 6, 1996. The rationale for the final approvals and reclassification are set forth in this document. Additional information is available at the address indicated below.

EFFECTIVE DATE: This action is effective on April 9, 1997.

ADDRESSES: Copies of the State's submittals and other information are available for inspection during normal business hours at the following locations: Environmental Protection Agency, Region VIII, Air Programs, 999 18th Street, 3rd Floor, South Terrace, Denver, Colorado 80202-2466; and Colorado Air Pollution Control Division, 4300 Cherry Creek Dr. South, Denver, Colorado 80222-1530.

FOR FURTHER INFORMATION CONTACT: Jeff Houk at (303) 312-6446.

SUPPLEMENTARY INFORMATION:

I. Background

The air quality planning requirements for CO nonattainment areas are set out in sections 186-187 of the Clean Air Act (Act) Amendments of 1990 (CAAA) which pertain to the classification of CO nonattainment areas and to the submission requirements of the SIPs for these areas, respectively. The EPA has issued a ''General Preamble" describing EPA's preliminary views on how EPA intends to review SIPs and SIP revisions submitted under Title I of the Act, [see generally 57 FR 13498 (April 16, 1992) and 57 FR 18070 (April 28, 1992)]. Because EPA is describing its interpretations here only in broad terms, the reader should refer to the General Preamble for a more detailed discussion of the interpretations of Title I advanced in today's rulemaking action. In today's action on the Denver and Longmont CO SIPs, EPA is applying its interpretations taking into consideration the specific factual issues presented and comments received from the public. This Federal Register document addresses several requirements of the 1990 CAAA which were required to be submitted no later than November 15, 1992, and which the State did not

[[Page 10691]]

submit by that date. These requirements include an attainment demonstration, contingency measures and, for Denver, a vehicle miles travelled forecasting and tracking program and transportation control measures. EPA made a formal finding that the State had failed to submit these SIP revisions in a letter to Governor Roy Romer dated January 15, 1993. This Federal Register document also addresses revisions to Regulations 11 and 13, submitted by the State of Colorado to implement portions of the control strategy relied upon by the attainment demonstration. Section 187(a)(7) required those States containing CO nonattainment areas with design values greater than 12.7 parts per million (ppm) to submit, among other things, an attainment demonstration by November 15, 1992, demonstrating that the plan will provide for attainment by December 31, 1995 for Moderate CO nonattainment areas and December 31, 2000 for Serious CO nonattainment areas. The attainment demonstration must include a SIP control strategy, which is also due by November 15, 1992. The SIP control strategy for a given nonattainment area must be designed to ensure that the area meets the specific annual emissions reductions necessary for reaching attainment by the deadline. In addition, section 187(a)(3) requires these areas to implement contingency measures if any estimate of actual vehicle miles travelled (VMT) or any updated VMT forecast for the area contained in an annual report for any year prior to attainment exceeds the number predicted in the most recent VMT forecast. Contingency measures are also triggered by failure to attain the NAAQS for CO by the attainment deadline. Contingency measures must be submitted with the CO SIP by November 15, 1992. Finally, a vehicle miles travelled forecasting and tracking program is required by Section 187(a)(2)(A), and transportation control measures are required for Denver by Section 187(a)(2)(B). These requirements are discussed in more detail in EPA's July 9, 1996 (61 FR 36004) and December 6, 1996 (61 FR 64647) Federal Register documents proposing action on the SIP revisions. Longmont had been designated as unclassifiable/attainment prior to passage of the 1990 CAAA. However, a special monitoring study in 1988- 89 recorded an exceedance of the NAAQS in Longmont. As a result, EPA Region VIII recommended that the Governor designate this area nonattainment, and on March 15, 1991, the Governor submitted a nonattainment designation for this area that was later codified by EPA at 40 CFR Part 81. Longmont was classified as a Moderate area in 40 CFR Part 81. Since this area had never had a SIP, EPA interpreted Section 172 of the Act to require an attainment demonstration for Longmont. Contingency measures under Section 172(c)(9) were also required. On January 15, 1993, EPA made a formal finding that the State had failed to submit these SIP revisions for Longmont. On July 11, 1994 and July 13, 1994, Governor Roy Romer submitted comprehensive revisions to the Colorado SIP. The carbon monoxide SIP element submittals for Denver and Longmont addressed the outstanding CAAA requirements discussed above, as well as other CAAA mandates. The State submitted revisions to Regulations 11 and 13 on September 29, 1995, to implement the I/M and oxygenated fuels program revisions committed to in the CO SIP. EPA proposed approval of these revisions in its July 9, 1996 Federal Register document, and is today taking final action to approve these revisions. The State submitted additional revisions to Regulation 13 on December 22, 1995, shortening the effective period of the oxygenated fuels program. EPA published a Federal Register document on December 6, 1996, proposing approval of these revisions and re-proposing approval of the Denver and Longmont CO SIPs to provide an opportunity for public comment on the impact of this revision to Regulation 13 on the CO SIPs. EPA is today taking final action to approve the revisions to Regulation 13 that the State submitted on December 22, 1995.

II. Response to Public Comments

EPA received numerous comments on its proposed approval of the Denver CO SIP and the proposed reclassification of Denver from Moderate to Serious for CO. No comments were received specifically regarding the

Longmont CO SIP. EPA received one set of comments regarding its proposed approval of the shortening of the effective period of the oxygenated fuels program. The comments and EPA's responses follow.

Extension of the Comment Period

Several parties requested that EPA extend its comment period on the proposed approval of the SIP to allow more time for the preparation and submission of comments. In response to these requests, EPA extended the comment period for an additional 30 days (see 61 FR 43501, August 23, 1996).

Legality of the SIP Submission Under State Law

Several parties commented that EPA should return the Denver CO SIP to the State without action, because it was submitted to EPA in conflict with the requirements of State law. These comments generally concern the nature of the Air Quality Control Commission's (AQCC's) submission of the SIP to Legislative Council for review, and the AQCC's and the Governor's response to Legislative Council's actions. EPA's acceptance of the SIP through its July 14, 1994 determination of SIP completeness was based on the June 30, 1994 letter from the State Attorney General's Office submitted with the SIP. This letter certifies that the SIP was adopted and submitted in compliance with State law. Specifically, Section 25-7-133, C.R.S., required the submission of SIPs ''regarding the regulation of mobile sources" to Legislative Council for review 45 days prior to submission to EPA. The CO SIP arguably did not fall within this criterion, as it did not include any regulatory content regarding mobile sources. Revisions to Regulations 11 and 13 (I/M and oxygenated fuels programs) to implement the provisions of the CO SIP were discussed in the SIP, but were not adopted or submitted with it. These revisions were adopted later in 1994 by the AQCC, received full Legislative Council review and were submitted to EPA in September 1995. Nevertheless, the AQCC chose to submit the CO SIP to Legislative Council for review even though it did not contain any mobile source regulation revisions. The June 30, 1994 letter from the AG's office concedes that the SIP was not submitted to Legislative Council 45 days prior to submittal to EPA, but notes that the Council acted on the SIP at its June 21, 1994 meeting and, in effect, waived the 45 day requirement. Also, according to the June 30, 1994 letter, the actions by Legislative Council at its meeting were not fully in compliance with State law: ''The Council may act in one of two ways: it can return the SIP in its entirety and it is then deemed approved, or it can submit it to the General Assembly (via petition for special session if the General Assembly is not in session) * * The Legislative Council, on June 21, 1994 took action by motion, wherein it voted to postpone review of the CO SIP submission, voted to return the plan for revisions by the Commission, and voted to conduct a final review no later than January 15, 1995. Pursuant to statute, because no special assembly was called by the*

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Council [the General Assembly was not in session], the SIP is deemed returned and approved." EPA finds the State Attorney General's Office's interpretation reasonable, and thus, EPA accepts that Office's conclusion that the SIP was, in fact, submitted to EPA for action in compliance with State law.

Oxygenated Fuels Program

Several comments were received with respect to the oxygenated fuels program. These comments and EPA's responses follow. (1) The submission violates Section 25-7-105.1, C.R.S., which states that any regulation that is more stringent than Federal law shall not constitute part of a state implementation plan. Putting aside for the purposes of this response the question of what EPA's role should be with respect to this State law, EPA does not believe that the 3.1% oxygenated fuels program is more stringent than is required under the Act. First, EPA does not believe section 211(c) of the Act preempts the State from requiring a 3.1% minimum oxygen content standard and, thus, does not believe a finding of necessity is required under section 211(c)(4)(C) of the Act (see discussion in response to comment 6 below). Second, the State is relying on the 3.1% oxygenated fuels program as one measure to help demonstrate attainment of the NAAQS for CO, as required by sections 110(a) and 187(a)(7) of the Act. Without the 3.1% oxygenated fuels program, the SIP would be unable to demonstrate attainment of the NAAQS. Thus, the 3.1% oxygenated fuels program is not more stringent than the Act requires. (2) Subsequent to AQCC adoption of the CO SIP, the AQCC adopted revisions to Regulation 13 which shortened the control period during which the oxygenated fuels program is in effect. EPA's approval of the CO SIP does not address this revision. Based on this comment, EPA reproposed approval of the Denver and Longmont CO SIPs, incorporating the shortened oxygenated gasoline season, and also proposed approval of the revisions to Regulation 13 shortening the season (see 61 FR 64647, December 6, 1996). EPA is now approving the shortening of the oxygenated gasoline season and is approving the Denver and Longmont CO SIPs based on the shortened season. (3) EPA approval of the 3.1% oxygenated fuels program would be contrary to Exxon Corp. v. City of New York, 548 F.2d 1088 (2nd Cir. 1977). The Exxon v. City of New York decision was based on pre-1990 CAA language, EPA regulations that have since been amended, and in part, different factual circumstances that bear no relevance to the situation here. Moreover, the changes in section 211(c)(4) and the 40 CFR Part 80 fuel regulations since the Exxon decision directly modify the provisions that the court relied on in a way that limits the scope of preemption of state fuel controls. Thus, this decision is not relevant to the current situation. In Exxon Corp. v. City of New York, the court found that New York City's lead and volatility regulations were preempted under section 211(c)(4). In the Part 80 regulations, EPA had set out the federal fuel requirements and stated that they prescribed regulations for the control and/or prohibition of fuels and additives. EPA also had promulgated specific lead regulations, less stringent than the New York City regulations, but did not address volatility. At the time of the court's decision, section 211(c)(4) preempted ''any control or prohibition respecting use of a fuel or fuel additive.'' The court found that EPA had promulgated regulations respecting the use of fuels, and thus, New York City's more stringent regulations were preempted. In the 1990 CAAA, Congress amended the language of section 211(c)(4) to preempt ''any control or prohibition respecting any characteristic or component of a fuel or fuel additive.'' After the court's decision, EPA also modified the Part 80 regulations to make it clear that they are not intended to preempt states' ability to regulate fuels and fuel additives that EPA has not addressed. Section 80.1(b) states: ''Nothing in this part is intended to preempt the ability of State or local governments to control or prohibit any fuel or additive for use in motor vehicles and motor vehicle engines which is not explicitly regulated by this part.'' Thus, both Congress and the Agency have clearly indicated that EPA's fuel requirements do not preempt states from regulating a specific characteristic or component that the Agency has not addressed. As discussed below, there are no federal regulations applicable to oxygen content in the Denver area, and hence Exxon v. City of New York is not applicable here. (4) EPA approval of the 3.1% oxygenated fuels program could lead to oxygenate shortages which could interfere with the federal reformulated gasoline program. During the two winter seasons since the CO SIP was submitted to EPA, the average oxygen content in Denver has been well above 3.1%. The federal reformulated gasoline program took effect on January 1, 1995, and thus has been in effect coincident with the Denver oxygenated fuels program for over two years. No documented oxygenate shortages have occurred as a result of Denver's program. Furthermore, the commentor did not provide any indication that a change in circumstances may occur that could produce any problems in the future. (5) EPA approval of the 3.1% oxygenated fuels program could lead to an increase in NO<INF>X emissions, which could jeopardize public health by increasing ozone concentrations. Several parties have contacted EPA in the past with regard to potential NO<INF>X increases from use of oxygenated fuels. No good scientific information exists that conclusively documents an increase in fleet NO<INF>X emissions from use of oxygenated fuels. The laboratory studies to date have generally had poor control of other fuel characteristics that affect NO<INF>X emissions, making the results unreliable. Increases in NO<INF>X emissions from the use of oxygenates would not be expected to generate exceedances of the ozone NAAQS, as asserted by the commentor. Oxygenate use is only required during the winter season, when climatic conditions are not favorable to the formation of tropospheric (ground-level) ozone. No exceedances of the ozone NAAQS have occurred at any time during the ten winter seasons in which oxygenated fuels have been used in the Denver area. (6) The 3.1% oxygen content is higher than is necessary to attain the CO NAAQS, and other reasonable, practicable means of attainment are available, so EPA cannot approve this program under section 211(c)(4)(C) of the CAA. Moreover, section 211(m) provisions occupy the field for regulation of oxygen content of gasoline and thereby preempt any different regulation by a state. Section 211(c)(4)(C) provides that states are preempted from regulating motor vehicle fuels where EPA has already acted, either to regulate the fuel or to find that no regulation is necessary. If preemption applies, the state may regulate the fuel only if EPA finds the state requirement necessary to achieve the NAAQS for the relevant pollutant. Here, EPA has neither regulated fuel oxygen content in Colorado nor made a finding that no such regulation is necessary. Therefore, the state regulation is not preempted and there is no need to find necessity. In the absence of federal preemption, states are free to regulate to control air pollution, and EPA must approve lawful state requirements into SIPs, as long as

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the state submission meets all applicable requirements under Title I of the Act. Section 211(c)(4)(A) preempts a state from ''prescrib[ing] or attempt[ing] to enforce * * * any control or prohibition respecting any characteristic or component of a fuel or fuel additive'' under two circumstances. Section 211(c)(4)(A)(i) provides for preemption if EPA has found that no control or prohibition of the characteristic is necessary and has published that finding in the

Federal Register. Section 211(c)(4)(A)(ii) provides that a state is preempted from regulating if EPA has prescribed under section 211(c)(1) a control or prohibition applicable to such characteristic or component, unless the state control or prohibition is identical to EPA's control or prohibition. Thus, to preempt state regulation under 211(c)(4), either EPA must publish a finding that a control is unnecessary, or EPA must promulgate a control of the same characteristic or component under section 211(c)(1). EPA has not made any finding under section 211(c)(4)(A)(i) that control of fuel oxygen content is unnecessary. There is no preemption of the Regulation 13 requirement for a 3.1% oxygen content under this provision. The only requirement that EPA has promulgated applicable to fuel oxygen content under 211(c)(1) is in the reformulated gasoline (RFG) regulations. EPA promulgated the RFG regulations under both sections 211(c)(1) and 211(k). However, Colorado is neither required to use RFG by statute, nor has it voluntarily opted into the RFG program. Thus, the RFG regulations do not apply in Colorado. The statute is ambiguous as to whether federal regulation of a fuel characteristic in certain areas of the country preempts state regulation only in those areas, or whether it preempts any state regulation of that characteristic nationwide. The statute simply refers to ''a control or prohibition applicable to such characteristic or component.'' The language does not indicate whether it means any control in any area or at any time generally applicable to a fuel characteristic, or a control actually applicable to a fuel characteristic in a given time and place. The statute is also ambiguous as to whether ''characteristic or component of a fuel or fuel additive'' should be read generally, as in ''oxygen content,'' or specifically, as in ''oxygen content in RFG areas.'' In delegating authority to the Agency to administer section 211(c), Congress has also implicitly delegated the authority to reasonably interpret the provision in light of any ambiguity. Chevron, USA v. NRDC, 467 U.S. 837 (1984). EPA believes that the better reading of the statute is that preemption by the RFG regulations applies more narrowly, only in the areas where the federal RFG regulation applies. First, the RFG regulations arguably are not a control ''applicable'' to fuel oxygen content outside of RFG areas. Secondly, this interpretation is consistent with the judicial cannon of statutory construction by which courts construe preemption narrowly. Thirdly, as a policy matter, EPA's decision to regulate fuel oxygen content in RFG areas did not encompass a determination that states should not or need not regulate that characteristic outside of those areas. Section 211(c)(4) applies only where EPA has affirmatively decided to regulate a particular fuel characteristic or component, or has affirmatively found that no such regulation is necessary and has published such a finding in the Federal Register. The RFG rulemaking never considered whether fuel oxygen content requirements were needed for CO control outside RFG areas, but merely incorporated the statutory requirement to set a 2.0 percent oxygen content for RFG. Moreover, whether RFG applies to an area depends solely on its status as an ozone nonattainment area; its status for CO is irrelevant. This further reinforces the conclusion that oxygen content requirements under RFG do not represent any EPA or Congressional decision on the need for such requirements outside of RFG areas. Finally, the purpose of the section 211(c)(4) preemption provision is to strike an appropriate balance between states' ability to freely adopt control measures, and avoidance of a variety of different state standards, potentially disrupting the national motor vehicle fuel market and federal regulation of such fuels. This purpose is not served by applying preemption where there is no federal regulatory scheme, as here in Colorado. Finally, section 211(m) does not constitute federal regulation of oxygen content, which could occupy the field for regulation of oxygen content and hence preempt state regulation. Section 211(m) requires states with certain CO nonattainment areas to submit a SIP revision requiring gasoline ''to contain not less than 2.7 percent oxygen content by weight.'' The statute requires state regulation, not federal, and explicitly sets a minimum standard for such state regulation, leaving the state free to adopt more stringent requirements if it so chooses. There is no indication in the statute or the legislative history that by specifying a minimum oxygen level that states should require, Congress intended the federal government to occupy the field of oxygen content regulation and preempt states from establishing a more stringent standard. Because the federal RFG fuel oxygen content provision does not apply to Colorado, section 211(c)(4) does not preempt the state from promulgating its own average fuel oxygen content standard of 3.1%. Nor does section 211(m) explicitly or implicitly impose such a restriction. Moreover, EPA must approve into a SIP any lawful provision concerning control of a criteria pollutant that is submitted by a State and that otherwise meets the requirements of section 110. See Union Electric Co. v. EPA, 427 U.S. 246 (1976). Thus, Colorado was free to adopt a 3.1% oxygen content standard as a control strategy to help attain the CO NAAQS. (7) EPA approval of the 3.1% oxygenated fuels program in Colorado would be a de facto mandate that at least 50% of the gasoline in the Denver area contain ethanol, contrary to American Petroleum Institute vs. United States Environmental Protection Agency, 52 F.3d 1113 (D.C. Cir. 1995). In API v. EPA, the issue was whether EPA has the authority to mandate use o[42]f a particular oxygenate in RFG. The court held that EPA does not have such authority because Sec. 211(k) lays out the specific criteria that EPA is to consider in promulgating the RFG requirements, and the ethanol mandate was not established pursuant to those criteria. This holding has no relevance for whether a state, rather than EPA, could directly mandate use of a particular oxygenate. Moreover, the state here has not mandated use of any particular oxygenate. It has merely established oxygen content requirements, and the *industry may use any oxygenate capable of meeting those requirements, subject to the maximum blending restrictions. In addition, these are the same oxygen content requirements as the CAA mandates for certain areas, which indicates that Congress contemplated that such higher oxygen content levels may be needed in some areas. In the absence of federal preemption, states are free to adopt fuel controls for emission reductions. API identifies no additional limit on EPA's authority to approve such state requirements in SIPs. (8) Recent studies have demonstrated that oxygenated fuels have little or no effect on CO air quality. EPA should facilitate an independent review of the impacts of oxygenated fuels on CO air quality before acting to approve the CO SIP.*

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The White House Office of Science and Technology Policy (OSTP) has recently issued a draft report on oxygenated fuels, which compiles the results of a number of other studies (''Interagency Assessment of Oxygenated Fuels,'' September 1996). While not yet final, the draft report concludes that oxygenated fuels produce approximately a 10.0% to 13.5% ambient CO reduction benefit. The National Academy of Sciences (NAS) has also issued a recent report commenting on the OSTP report. The NAS report found that oxygenated fuels programs have a benefit of zero to 10 percent in reducing ambient CO. Of the 10 existing ''real world'' studies of oxygenated fuels' ambient air impacts cited in the NAS report, eight show a statistically significant benefit from the program, and two studies (both in North Carolina) showed no significant benefit or did not attempt to quantify a benefit. Likewise, virtually all laboratory studies of oxygenated fuels, including some conducted by the automotive and petroleum industries, show a significant carbon monoxide reduction at the tailpipe from use of these fuels. EPA recently conducted an analysis of carbon monoxide air quality data from cities around the country (''Impact of the Oxyfuel Program on Ambient CO Levels,'' J. Richard Cook et al, EPA420-R-96-002). In this report, EPA compared data from a number of cities which used oxygenated fuels beginning in the winter of 1992-93 to data from several cities which did not. Using this approach, EPA found an immediate and sustained reduction of carbon monoxide concentrations in the range of 3.1% to 13.6% in cities using oxygenated fuels, in excess of the reductions expected from new cars entering the fleet. This reduction was not seen in cities not using oxygenated fuels. This level of benefit is consistent with that found in other studies. A subsequent regression modeling analysis by Dr. Gary Whitten of SAI of ambient CO data in oxygenated fuels areas (''Regression Modeling of Oxyfuel Effects on Ambient CO Concentrations,'' SYSAPP-96/78, January 8, 1997) found a 14% reduction in ambient CO concentrations due to implementation of the program. These analyses are significant because they are based on measurements of actual air quality data in these cities over at least two winter periods. Many interested parties have criticized laboratory studies as not being representative of the real world; however, in attempting to carry out a ''real world'' study in a single urban area, it is very difficult to separate the influence of oxygenated fuels from all of the other factors that affect carbon monoxide concentrations (including weather, congestion, and changes in the mix of cars and trucks in the fleet). The National Academy of Science's report points out some areas where additional research would be useful, and EPA and the State are working to design a study to address some of the uncertainties surrounding the use of oxygenated fuels. However, the NAS report and the available scientific data support continuing the oxygenated fuels program. While not a factor in EPA's decision, readers may be interested to know that oxygenated fuels is one of the least expensive carbon monoxide control strategies available. In terms of dollars per ton of pollution eliminated, it is much cheaper than other alternatives, such as transportation control measures, mandatory employee trip reduction, conversion of vehicles to run on alternative fuels like propane or natural gas, or industrial controls. The program also serves as an important defense against factors that increase carbon monoxide emissions in the Denver area, including growth in daily vehicle miles travelled, growth in the amount of time that vehicles spend in congestion, and growth in the number of sport utility vehicles and other types of higher-emitting light-duty trucks on the road. EPA has substantial evidence at this time that oxygenated fuels are an effective means to control carbon monoxide, and hence it is appropriate to approve this provision of the CO SIP at this time.

Shortening of the Oxygenated Fuels Season

One party submitted comments in response to EPA's December 6, 1996 supplemental notice of proposed rulemaking, proposing approval of the revisions to Regulation 13 removing the last two weeks of the oxygenated fuels season and reproposing approval of the CO SIPs to incorporate this revision. This commentor supported EPA's action to approve the shortening of the oxygenated fuels season. The commentor also raised other issues with respect to the oxygenated fuels program which have been addressed above.

Abandoned and Impounded Vehicle Program

One commentor expressed concern that the SIP provision preventing re-registration of abandoned or impounded pre-1982 vehicles would negatively impact the collector car industry of the Denver region and would prevent owners from recovering stolen vehicles. Another commentor expressed concern that this program would unnecessarily harm lower- income individuals and artificially increase demand for new cars. While EPA understands these concerns, the Act prohibits EPA from basing its actions concerning SIPs on considerations involving the economic reasonableness of State actions. See Union Electric Co. v. EPA, 427 U.S. 246, 256-266 (1976); 42 U.S.C. section 7410(a)(2). While EPA is prohibited from basing its action on the SIP on economic grounds, EPA has concluded for other reasons that it should not act on this element of the SIP. The provision is not well-defined in the SIP, with the design and implementation of this program left up to the discretion of local jurisdictions, and no credit was taken for this measure in the attainment demonstration (see SIP page IX-4). Therefore, EPA is not taking action on this element of the SIP.

Revised Emissions Standards for Pre-1982 Vehicles

One commentor stated that the requirement for tighter emissions testing cutpoints for pre-1982 was arbitrary and capricious, and unduly impacted owners of these model year vehicles in the Denver region. Again, EPA is prohibited by law from basing its actions on SIPs on considerations involving the economic reasonableness of State actions. However, pre-1982 vehicles were targeted for tighter cutpoints because 1982 and newer vehicles are already subject to the more stringent provisions of the enhanced vehicle inspection and maintenance program. Tighter cutpoints for pre-1982 vehicles should result in more high- emitting vehicles being identified and repaired through the requirements of Regulation 11. Data from the enhanced I/M program show that the average older vehicle emits carbon monoxide at levels many times higher than the level at which they were certified for sale. However, there is no presumption that all older vehicles are high emitters, and vehicles in good operating condition should not fail the tighter cutpoints. This commentor also stated that the State and EPA had failed to consider the smaller proportion of total VMT generated by pre-1982 vehicles. The mobile source emissions modeling conducted for the SIP is based on estimates of annual mileage accumulation and share of daily VMT for each model year. Thus, the SIP modeling inputs reflect the smaller proportion of total VMT generated by pre-1982 vehicles. While it is true that pre-1982 vehicles do represent a relatively small proportion of total

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regional VMT, emissions generated by these vehicles are still significant because these vehicles are required to meet less stringent emissions standards by the State and EPA, and thus, per-vehicle emissions are higher. The SIP estimates that this measure would provide a CO emission reduction benefit of 20 tons per day in 1995. EPA believes the estimates of pre-1982 VMT share and emissions reductions from the SIP provision are reasonable. Another commentor stated that EPA should give the State the option of eliminating the I/M program and the prohibition on re-registration of abandoned and impounded vehicles in favor of an enforceable system of user fees or other economic incentives that would address the actual contribution of individual vehicles and drivers to the region's pollution problems. The Clean Air Act requires the State to implement an enhanced I/M program that meets certain minimum requirements. However, the Act would allow the State to revise its SIP at any time to add the type of program mentioned by the commentor, as long as the program meets the SIP requirements of Section 110. EPA does not have to take any type of action in order to enable the State to develop and submit this type of SIP revision. As noted above, EPA is not acting on the SIP provision that prohibits re-registration of abandoned and impounded vehicles.

Transportation Control Measures (TCMs)

One commentor felt that EPA's description of the relationship of the TCMs to the SIP as a whole was unclear. This commentor felt that EPA was interpreting the SIP to incorporate the TCMs as part of the attainment demonstration, in addition to incorporating the TCMs as contingency measures. Further review of the SIP confirms that the TCMs are only meant to be incorporated as contingency measures. This intent is clearly stated in the SIP on pages VI-3 and X-1. The SIP states the intent of the area to implement the contingency measures early, as allowed by EPA policy, to obtain additional emission reductions. Chapter XII of the SIP, Attainment Demonstration, clearly demonstrates that these measures are not necessary for the Denver area to attain the CO NAAQS by December 31, *2000. Thus, EPA is clarifying that the TCMs are intended to be enforceable provisions of the SIP only as contingency measures, with implementation required only in the event that the contingency measures are triggered (through the mechanisms discussed in the proposal). The State has made an adequate showing that TCMs are not needed for attainment, as required by section 187(a)(2)(B) of the Act. Another commentor stated that the requirements of the Act for TCMs in Denver had not been met. EPA believes that the State and the Regional Air Quality Council have correctly interpreted the Act's requirements for TCMs, that the TCM provisions of the SIP are adequate, and that the SIP contains an adequate showing that TCMs are not necessary for attainment. This commentor also stated that EPA should require annual reporting on the effectiveness and implementation of TCMs and other control strategies. EPA notes that periodic reporting is already required for a number of control measures and does not believe that further reporting is necessary at this time. For example, the Act requires annual reporting of VMT and a comparison of actual VMT with the SIP forecasts. The State has complied with these requirements. The Act and EPA's transportation conformity rule (58 FR 62188, November 24, 1993) also require that the Denver Regional Council of Governments (DRCOG) report on the implementation status of TCMs each time a conformity determination is made, and prohibit conformity findings if TCMs are not being implemented as required by the SIP. The State also produces annual reports on the effectiveness of the SIP's two major control strategies, the I/M and oxygenated fuels programs, as required by State law. EPA's I/M regulations (40 CFR Part 51, Subpart S) also require periodic evaluation of and reporting on the effectiveness of the I/M program.*

Contingency Measures

One commentor stated that the SIP does not contain adequate contingency measures, and that EPA should require the State to implement the contingency measures based on the Denver area's failure to attain. This commentor also stated that it was insufficient for the SIP to describe existing conditions as contingency measures which have already been implemented. As discussed in the proposal (61 FR 36009, July 9, 1996), the SIP TCMs exceed the minimum emission reductions established in EPA guidance, and EPA considers these measures adequate. Although the State has chosen to voluntarily implement many of the contingency measures, and thus obtain the benefits of early emissions reductions, the commentor is correct that EPA is not requiring the State to implement the contingency measures in the SIP based on the area's failure to attain the standard by the end of 1995. EPA believes it is neither necessary nor appropriate to do so. This is because EPA's approval of this Serious area CO SIP, which the State has been implementing since 1994, obviates the need for Moderate area contingency measures. Contingency measures for a Moderate CO nonattainment area with a design value greater than 12.7 ppm are intended to provide emissions reductions while the State revises its SIP to meet Serious area SIP requirements. Here the State has already submitted a Serious area SIP that demonstrates attainment of the CO standard by the end of 2000, and EPA is approving it. In addition, there is no EPA-approved Moderate area CO SIP for the Denver area on which EPA can base a requirement that the State implement contingency measures for the failure to attain the CO standard by the end of 1995. If an EPA-approved Moderate area CO SIP had been in place at the time the area violated the CO standard in 1995, EPA would have required the State to implement the contingency measures contained in that SIP. In the Serious area SIP that the State has submitted and that EPA is approving today, contingency measures are tied to the 2000 attainment date. There is no basis or necessity for EPA to require the State to implement contingency measures based on the area's failure to attain the CO standard by the end of 1995. The SIP envisions that the TCMs identified as contingency measures will be implemented early. This is acceptable to EPA. EPA policy (August 13, 1993 memorandum from G.T. Helms to regional Air Branch Chiefs entitled ''Early Implementation of Contingency Measures for Ozone and Carbon Monoxide Nonattainment Areas") encourages the early implementation of contingency measures for the additional emission reductions and progress toward attainment that they provide. EPA believes that requiring states to adopt additional contingency measures to replace measures that were implemented early would only discourage early implementation and the resulting additional emission reductions.

Reclassification to Serious

Two commentors expressed concern over EPA's proposed reclassification of the Denver area from Moderate to Serious for CO, given the small number and low absolute value of violations in recent years. These commentors felt that EPA should recognize Denver's progress toward attainment of the CO NAAQS in

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recent years. EPA recognizes that Denver has taken significant steps to reduce CO levels and make progress toward attainment, including implementation of a comprehensive woodburning control program, the nation's first oxygenated fuels program, and an effective enhanced I/M program. However, as explained in the proposed rulemaking, the unambiguous provisions of the CAA and recent ambient values for CO in Denver compel EPA to take this action. One commentor stated that the SIP does not contain the elements required for a Serious area SIP. As discussed in detail in the proposal, EPA believes that the SIP does contain all required elements.

Attainment Demonstration

One commentor submitted extensive comments on the adequacy of the attainment demonstration. This commentor felt that the attainment demonstration was inadequate because it did not consider other downtown intersections with the potential of experiencing high concentrations of CO and because growth projections used in the modeling underestimate the amount of growth in traffic that has occurred in the Denver area since the attainment demonstration was submitted to EPA. The State performed preliminary CAL3QHC modeling of CO concentrations at three intersections in the downtown area: Speer and Auraria Boulevard, Broadway and Colfax, and Broadway and Champa. The CAMP air quality/meteorology monitoring station, which has historically recorded the highest levels of CO in the Denver area, is located adjacent to the intersection of Broadway and Champa. The preliminary modeling results showed predicted concentrations at the Speer/Auraria and Broadway/Colfax intersections that were up to 6 parts per million (ppm) higher than concentrations predicted at the CAMP intersection. However, the State selected only Broadway and Champa (CAMP) for use in the SIP attainment demonstration because the on-site air quality and meteorological data available at this location provided more confidence in the modeling results. To ensure that higher concentrations exceeding the NAAQS do not occur at other downtown locations the State has performed supplemental CO monitoring studies at all three intersections and elsewhere in the Denver urban core. The results to date have continued to support the use of CAMP as the maximum concentration downtown site; CAMP continues to record higher CO design value concentrations than any other location in the Denver metro monitoring network. The commentor stated that EPA has not applied its modeling standards, guidance, and protocols consistently to the choice of intersections or to the attainment demonstration generally. EPA (both Region VIII and the national Model Clearinghouse) reviewed the State's analysis and found that it was consistent with national modeling policy and other recent Urban Airshed Model/CAL3QHC modeling applications. EPA believes that modeled concentrations at Speer/Auraria and Broadway/ Colfax are unreliable and therefore is not requiring the State to use the preliminary CAL3QHC intersection modeling results to demonstrate attainment at these two intersections. EPA's position is based on the following factors: (1) Saturation CO monitoring studies in the downtown area and continuous wintertime monitoring since 1994 at Speer/Auraria do not support the modeled predictions of higher concentrations at these locations; (2) estimated wind speeds at Speer/Auraria and Broadway/Colfax during both episodes modeled were frequently below the stated threshold of the CAL3QHC model and are not considered valid for use in the model; (3) there is a possibility that ''cold start'' vehicle emissions may have been overestimated at these intersections, artificially increasing predicted concentrations; and (4) micro-meteorological effects of high-rise office buildings significantly increase modeling uncertainties at these intersections, where on-site meteorological data was not available. EPA also notes that the State followed the criteria contained in the Guideline for Modeling Carbon Monoxide from Roadway Intersections (EPA-454/R-92-005) in identifying the six busiest intersections for the SIP analysis. State modeling of these intersections showed compliance with the NAAQS. However, these intersections are all located outside of the downtown area; downtown is where the highest concentrations have historically been measured. EPA subsequently requested the State to model an additional intersection in the downtown urban core in order to assure attainment of the NAAQS. However, the State's compliance with this request goes beyond the usual requirements for a CO SIP attainment demonstration analysis. The commentor suggested that meteorological and other data are available that are more than adequate for modeling intersections other than CAMP. To EPA's knowledge, CAMP is the only intersection with representative on-site meteorology data for the periods that were modeled. Off-site meteorology was available at the Tivoli site for portions of the SIP episodes modeled, but this site is located several hundred meters south of the current intersection of Speer and Auraria. EPA reviewed the Tivoli site and determined that meteorological data collected at this location would not be representative of conditions at the intersection. Winds at the Speer and Auraria intersection would be affected to a far greater degree by building wake effects than the Tivoli site. In addition, there have been extensive changes to the roadway and construction of additional structures in the area since the Tivoli data were obtained in 1988. No data whatsoever were available for the Broadway and Colfax intersection. The commentor referred to critiques of the attainment demonstration developed by State staff and by outside sources. EPA has not been provided with and is not aware of any State or outside critiques of the attainment *demonstration. EPA was provided with preliminary modeling results for the Speer and Auraria and Broadway and Colfax intersections by APCD staff members that were based on the Tivoli and CAMP meteorological/air quality data. In addition to using non- representative data, the analysis contained a number of modeling assumptions that were not consistent with the EPA Guideline on Air Quality Models or the CAL3QHC Model Users Manual, including incorrect atmospheric stabilities and wind speeds lower than the acceptable threshold for the CAL3QHC model. The final CAL3QHC modeling submitted by the APCD did not contain intersection modeling for the two intersections where on-site data were not available. EPA concurs with the final modeling analysis submitted by the State. This decision is supported by the supplemental CO monitoring studies that have been performed in the downtown area. These studies support the continued use of CAMP as the maximum concentration downtown site. The commentor also suggested that EPA applied a different set of review criteria to the downtown intersections than to suburban sites, because the downtown intersections showed high CO concentrations that would trigger more stringent control strategies, and suggested that these different criteria led to high concentration intersections downtown being dropped from the SIP analysis. The reason the modeling results for the two intersections in the downtown area were dropped is that the CAL3QHC model could not be applied*

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appropriately given the effects of nearby downtown buildings on wind flow and the lack of representative on-site data. Building effects were not an issue at the six suburban intersections modeled in the SIP. The commentor implied that EPA was basing its decision to approve the SIP on ''voluntary'' compliance with EPA requests, ''understandings'' between State and EPA staff, and written and unwritten EPA ''guidance''. The commentor suggested that EPA was honoring a ''deal'' that violates the letter and intent of the Act. EPA believes that the attainment demonstration meets the requirements of the Act. EPA addresses the commentor's specific concerns regarding the attainment demonstration in other portions of this response. EPA is not basing its decision to approve the SIP on any ''deals'' or improper ''understandings'' reached with the State, but on the SIP's compliance with the Act. EPA does not know what the commentor is referring to when it writes about ''voluntary'' compliance with EPA requests. To the extent EPA has offered guidance to the State, EPA believes such guidance has been consistent with the Act or a reasonable interpretation of the Act. The commentor noted that many large projects have been planned or built since the attainment demonstration was submitted to EPA, and that newer growth projections show higher levels of traffic than those considered in the SIP. Two of the facilities specifically mentioned by the commentor (Coors Field and Elitch's) would not be expected to affect Denver's ability to attain the CO standard, since they are not operational during the winter season when the highest values of CO are measured in Denver. The proposed Pepsi Center, which could impact Denver's ability to attain the NAAQS due to its potential proximity to one of the downtown intersections where elevated values of CO have been monitored, has not been approved by the City and County of Denver, and there is apparently some possibility that this facility may not be located downtown at all. Denver is currently examining the traffic and air quality impacts of a wide range of potential development in the lower downtown area through its Central Platte Valley Multimodal Access and Air Quality Study. The comment regarding newer projections of traffic growth apparently refers to revised estimates of daily vehicle miles travelled produced by DRCOG in the summer and fall of 1996. In early 1996, DRCOG made some improvements to its transportation demand model (used for transportation planning, and to produce estimates of future VMT and speeds for air quality planning purposes) and validated the model with actual 1995 traffic counts recorded in Denver. These adjustments led to revised estimates of approximately 49 million miles per day of traffic in the Denver area (the previous modeled estimate had been approximately 45 million miles per day). Part of this estimated increase is due to actual growth in traffic in the Denver region, and part of it is due to use of improved methodologies for traffic counting in the region. In November 1996, Colorado submitted its 1996 report of 1995 actual annual VMT, as required by the SIP's VMT tracking provisions and the Act. This report showed that actual 1995 VMT were 4.4% greater than the SIP projections and 1.3% greater than the most recent revised projection for 1995. These exceedances are within the allowable limits of EPA's VMT Tracking Program guidance (5.0% and 3.0% for the respective VMT projections). EPA established these tolerances in recognition of the uncertainty inherent in attempting to measure actual VMT in a large urban area. Since the most recent reported actual annual VMT is within these allowable tolerances, the State is not required to implement its contingency measures, and no revision to the SIP is required. If a subsequent VMT tracking report shows that the SIP VMT projections (or updated forecasts) are exceeded by greater than the margins of error allowed by EPA guidance, implementation of the contingency measures will be required, along with a revision to the SIP if necessary. EPA believes that the State has followed the proper procedures (as outlined in EPA's guidance and the SIP's VMT Tracking Program protocol) in generating the annual VMT reports that EPA is relying on for its approval of the SIP. Several factors are involved in *comparing estimates of daily VMT to estimates of annual VMT, including: (1) The geographic area covered by the different estimates; (2) whether average daily traffic or average weekday traffic are used; (3) the differences between the traffic counting network used by DRCOG for its model validation, and the network required for use by the Colorado Department of Transportation in generating the Highway Performance Monitoring System (HPMS) VMT data that the VMT Tracking Program traffic estimates are based on (use of HPMS data is required by EPA and U.S. Department of Transportation guidance); and (4) the assumptions behind the original VMT estimates in the SIP. There are a number of other factors that protect the SIP's attainment demonstration from growth in VMT. First, under the requirements of the EPA/DOT transportation conformity rule, DRCOG's transportation plans and transportation improvement programs must comply with the emissions budget for CO contained in the CO SIP, even if unexpected increases in VMT occur after the SIP is adopted. This budget protects the Denver area against future violations of the CO NAAQS in the face of growing VMT. If the budget cannot be met, DRCOG cannot adopt any new plans and TIPs, and no new regionally significant projects can be approved. Thus, failure to meet the budget has the same or greater effect as the imposition of highway sanctions under section 179 of the Act. Second, it is important to note that virtually all of the growth in the metro area has occurred not in the downtown area, where the violations of the NAAQS have been monitored, but in outlying portions of the metro area. Thus, EPA would expect that VMT in the downtown area would increase at a lower rate than VMT for the metro area as a whole. This is supported by traffic counts at locations near downtown, which show that traffic in the central area increased at a rate of approximately 2-3% per year between 1990 and 1995, even though DRCOG estimates that traffic has increased approximately 4.5% per year regionwide. Finally, the air quality trends information submitted with the State's March 1996 milestone report shows that the Denver area is ahead of schedule to attain the CO NAAQS even with the higher-than- expected estimates of daily VMT. Based on its conclusion that the attainment demonstration was inadequate, this commentor further concluded that the control strategies submitted with the SIP are insufficient to provide for attainment of the NAAQS. EPA's general response to this assertion is that the attainment demonstration is adequate, and that the modeling summarized in Chapter XII of the SIP and submitted to EPA demonstrates that the SIP will provide for attainment with the control measures included in the SIP. The commentor stated that the SIP does not include a requirement that gasoline sold during the winter months include a level of oxygen sufficient to attain the NAAQS. As discussed above, the SIP includes a requirement for a 3.1% minimum oxygen content; the attainment demonstration shows that this level of oxygen is necessary and*

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sufficient to provide for attainment of the NAAQS. The commentor stated that there is no indication that the State will apply the requirements for content and analysis of transportation plans, programs and projects contained in the conformity regulations. These requirements for nonattainment areas classified as serious and above are enforceable through the EPA/DOT conformity regulation, and DRCOG must comply with them when they take effect. There is no requirement in the conformity rule or in the Act that these provisions be incorporated into the CO SIP. However, they are mentioned on page I- 4 of the SIP. The commentor stated that the SIP does not satisfy section 110(a)(2) of the Act. As outlined in detail in the Technical Support Document for EPA's proposed action, the SIP does satisfy the SIP content requirements of section 110(a)(2). The commentor stated that the SIP does not contain adequate measures to control stationary source emissions. Stationary point source emissions represent only 1.1% of base case emissions (based on actual emissions) and 5.6% of attainment year emissions (based on allowable emissions). None of the major sources are located in close proximity to the downtown monitors which record high concentrations, and these sources have little or no impact on Denver's ability to attain the NAAQS. However, stationary point sources of CO are regulated by Colorado Regulation No. 1 (Particulates, Smokes, CO and Sulfur Oxides). As noted above, woodburning is already regulated by Regulation No. 4; woodburning also has very little impact on the downtown monitoring sites. The remaining stationary sources of emissions are natural gas combustion and structural fires, which contribute a total of less than 1% to the attainment year inventory and again have very little impact on the high concentration monitoring sites. The commentor stated that the SIP should include a mandatory employer-based trip reduction program, or demonstrate that such a program is not necessary to demonstrate attainment of the NAAQS. As noted in the proposal, Congress revised the Act in 1995 to make submittal of trip reduction programs voluntary. Thus, EPA could not require the State to submit such a program even if the attainment demonstration were to be found inadequate. The commentor noted that the SIP does not contain an adequate milestone, nor does it contain an economic incentive program for implementation should the milestone not be met. Neither the Act nor EPA policy establish requirements for milestones, so the State was free to adopt its 1995 base case emission inventory as the milestone. The base case represents progress toward attainment (emissions in the 1995 base case were substantially lower than 1990 emissions), which is the intent of this requirement of the Act.

Also, the Act does not require submittal of an economic incentive program until after either (1) the milestone has been missed or (2) the Denver area fails to attain by December 31, 2000. Thus, the SIP is not deficient in this regard. Finally, the commentor stated that EPA should expressly incorporate the baseline (pre-existing) control strategies in its approval of this SIP, that EPA should make it clear that its approval of the SIP is based on the understanding that these control strategies will remain in place, and that EPA should withdraw its approval of the SIP should these control strategies be weakened. As noted in the proposal, the baseline strategies relied upon in the attainment demonstration have already been incorporated into the Colorado SIP, making them federally enforceable; the new control strategies will also be incorporated into the SIP with EPA's final action on the SIP. EPA's approval is based on the enforceability of these measures and the SIP's stated intention that these measures continue to be implemented. If, subsequent to EPA approval, control measures are weakened or discontinued, EPA's available responses include making a finding of SIP non-implementation under section 179(a)(4) and/or section 113(a)(2) of the Act, or making a finding of SIP inadequacy and issuing a call for a SIP revision under Section 110(k)(5) of the Act. EPA believes that these mechanisms, along with EPA's and citizens' ability to directly enforce SIP requirements, are adequate to ensure that pre-existing control measures continue to be implemented.

Approval of the SIP

While several parties requested that EPA disapprove the SIP, for reasons discussed above, two commentors supported EPA's approval of the SIP. EPA is proceeding with final approval of the CO SIP for the reasons discussed above and in our July 9, 1996 and December 6, 1996 notices of proposed rulemaking.

III. Implications of Today's Final Action

In today's action, EPA is approving SIP revisions submitted by the Governor on July 11, 1994, July 13, 1994, September 29, 1995, and December 22, 1995. Specifically, EPA is (1) approving the July 11, 1994 attainment demonstration, VMT tracking and forecasting program, TCM, and contingency measures submittals for Denver; (2) approving the July 13, 1994 attainment demonstration and contingency measures submittals for Longmont; (3) approving the control strategies for Denver, including the September 29, 1995 submittal of revisions to Regulations 11 and 13 (I/M and oxygenated fuels); and (4) approving the further revisions to Regulation 13 submitted on December 22, 1995 that shorten the effective period of the oxygenated fuels program. For the reasons discussed in Section II of this document, EPA is not taking action on the SIP provision submitted on July 11, 1994 that calls for a prohibition of the re-registration of abandoned and impounded vehicles. In this document, EPA is also making a finding that the Denver/ Boulder carbon monoxide nonattainment area did not attain the NAAQS by the required attainment date of December 31, 1995, and is revising the area's classification for carbon monoxide in 40 CFR Part 81 from Moderate to Serious. This finding is based on air quality data revealing more than one exceedance of the CO NAAQS during calendar year 1995, resulting in a design value higher than the NAAQS for the period 1994-95. By action dated December 20, 1994, the EPA Administrator delegated to the Regional Administrators the authority to determine whether CO nonattainment areas attained the NAAQS, and to reclassify those that did not. EPA has reviewed this request for revision of the federally- approved SIP for conformance with the provisions of the Act. EPA has determined that this action conforms with those requirements. Nothing in this action should be construed as permitting or allowing or establishing a precedent for any future request for revision to any State Implementation Plan. Each request for revision to any State Implementation Plan shall be considered separately in light of specific technical, economic, and environmental factors and in relation to relevant statutory and regulatory requirements.

IV. Executive Order (EO) 12866

Under EO 12866, 58 FR 51735 (October 4, 1993), EPA is required to determine whether regulatory actions are significant and therefore should be subject to OMB review, economic analysis, and the requirements of the

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EO. The EO defines a ''significant regulatory action'' as one that is likely to result in a rule that may (1) have an annual effect on the economy of $100 million or more or adversely affect, in a material way, the economy, a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local, or tribal governments or communities; (2) create a serious inconsistency or otherwise interfere with an action taken or planned by another agency; (3) materially alter the budgetary impact of entitlements, grants, user fees, or loan *programs or the rights and obligations of recipients thereof; or (4) raise novel legal or policy issues arising out of legal mandates, the President's priorities, or the principles set forth in the Executive Order. Today's SIP-related actions have been classified as Table 3 actions for signature by the Regional Administrator under the procedures published in the Federal Register on January 19, 1989 (54 FR 2214- 2225), as revised by a July 10, 1995 memorandum from Mary Nichols, Assistant Administrator for Air and Radiation. The Office of Management and Budget has exempted these regulatory actions from EO 12866 review. Likewise, EPA has determined that today's finding of failure to attain would result in none of the effects identified in section 3(f) of the EO. Under Section 186(b)(2) of the Clean Air Act, findings of failure to attain and reclassification of nonattainment areas are based upon air quality considerations and must occur by operation of law in light of certain air quality conditions. They do not, in and of themselves, impose any new requirements on any sectors of the economy. In addition, because the statutory requirements are clearly defined with respect to the differently classified areas, and because those requirements are automatically triggered by classifications that, in turn, are triggered by air quality values, findings of failure to attain and reclassification cannot be said to impose a materially adverse impact on State, local, or tribal governments or communities.*

V. Regulatory Flexibility

Under the Regulatory Flexibility Act, 5 U.S.C. section 600 et. seq., EPA must prepare a regulatory flexibility analysis assessing the impact of any proposed or final rule on small entities (5 U.S.C. sections 603 and 604). Alternatively, EPA may certify that the rule will not have a significant impact on a substantial number of small entities. Small entities include small businesses, small not-for-profit enterprises, and government entities with jurisidiction over populations that are less than 50,000. SIP revision approvals under Section 110 and Subchapter I, Part D, of the CAA do not create any new requirements, but simply approve requirements that the State is already imposing. Therefore, because the Federal SIP approval process does not impose any new requirements, EPA certifies that this final rule would not have a significant impact on any small entities affected. Moreover, due to the nature of the Federal-State relationship under the
CAA, preparation of a regulatory flexibility analysis would constitute Federal inquiry into the economic reasonableness of State actions. The CAA forbids EPA to base its actions concerning SIPs on such grounds. Union Electric Co. v. U.S.E.P.A., 427 U.S. 246, 256-266 (S. Ct. 1976); 42 U.S.C. section 7410(a)(2). As discussed in section IV of this document, findings of failure to attain and reclassification of nonattainment areas under Section 186(b)(2) of the CAA do not, in and of themselves, create any new requirements. Therefore, I certify that today's final action does not have a significant impact on small entities.

VI. Unfunded Mandates

Under Section 202 of the Unfunded Mandates Reform Act of 1995 (''Unfunded Mandates Act"), signed into law on March 22, 1995, EPA must prepare a budgetary impact statement to accompany any proposed or final rule that includes a Federal mandate that may result in estimated costs to State, local, or tribal governments in the aggregate, or to the private sector, of $100 million or more. Under Section 205, EPA must select the most cost-effective and least burdensome alternative that achieves the objectives of the rule and is consistent with statutory requirements. Section 203 requires EPA to establish a plan for informing and advising any small governments that may be significantly or uniquely impacted by the rule. EPA has determined that today's final approval actions do not include a Federal mandate that may result in estimated costs of $100 million or more to either State, local or tribal governments in the aggregate, or to the private sector. These Federal actions approve pre- existing requirements under State or local law, and impose no new requirements. Accordingly, no additional costs to State, local or tribal governments, or to the private sector, result from these actions. Likewise, EPA believes, as discussed in section IV of this document, that the finding of failure to attain and reclassification to Serious are factual determinations based upon air quality data and must occur by operation of law and, hence, do not impose any federal intergovernmental mandate, as defined in section 101 of the Unfunded Mandates Act.

VII. Small Business Regulatory Enforcement Fairness Act (SBREFA)

Under 5 U.S.C. 801(a)(1)(A) as added by the Small Business Regulatory Enforcement Fairness Act of 1996, EPA submitted a report containing this rule and other required information to the U.S. Senate, the U.S. House of Representatives and the Comptroller of the General Accounting Office prior to publication of the rule in today's Federal Register. This rule is not a ''major rule" as defined by 5 U.S.C. 804(2).

VIII. Petitions for Judicial Review

Under Section 307(b)(1) of the Act, petitions for judicial review of this action must be filed in the United States Court of Appeals for the appropriate circuit by May 9, 1997. Filing a petition for reconsideration by the Administrator of this final rule does not affect the finality of this rule for the purposes of judicial review nor does it extend the time within which a petition for judicial review may be filed, and shall not postpone the effectiveness of such rule or action. This action may not be challenged later in proceedings to enforce its requirements (see Section 307(b)(2)).

List of Subjects

40 CFR Part 52

Environmental protection, Air pollution control, Carbon monoxide, Incorporation by reference, Intergovernmental relations, and Reporting and recordkeeping requirements.

40 CFR Part 81

Environmental protection, Air pollution control, National parks, Wilderness areas.

Dated: January 31, 1997. Max H. Dodson, Acting Regional Administrator. Chapter I, title 40 of the Code of Federal Regulations is amended as follows:

PART 52--[AMENDED]

1. The authority citation for Part 52 continues to read as follows:

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Authority: 42 U.S.C. 7401-7671q.

Subpart G--Colorado

2. Section 52.320 is amended by adding paragraph (c)(80) to read as follows:

Sec. 52.320 Identification of plan.

- ** * * * (c) * * * (80) On July 11, 1994, July 13, 1994, September 29,1995, and December 22, 1995, the Governor of Colorado submitted revisions tothe Colorado State Implementation Plan (SIP) to satisfy those CO nonattainmentarea SIP requirements for Denver and Longmont, Colorado due to be submitted byNovember 15, 1992, and further revisions to the SIP to shorten the effectiveperiod of the oxygenated fuels program. EPA is not taking action on the SIPprovision submitted on July 11, 1994 that calls for a prohibition of there-registration of abandoned and impounded vehicles. (i) Incorporation byreference. (A) Regulation No. 11, Motor Vehicle Emissions InspectionProgram, 5 CCR 1001-13, as adopted on September 22, 1994, effective November30, 1994. Regulation No. 13, Oxygenated Fuels Program, 5 CCR 1001-16, asadopted on October 19, 1995, effective December 20, 1995.*
-

PART 81--[AMENDED]

1. The authority citation for Part 81 continues to read as follows:

Authority: 42 U.S.C. 7401-7671q.

2. In 81.306, the Carbon Monoxide table is amended by revising the entry   for ‘‘Denver-Boulder Area” to read as follows:

Sec. 81.306 Colorado.

** * * * **

Colorado--Carbon Monoxide

Designation
Classification
Designated area

Denver-Boulder
Area: The boundaries for the Denver nonattainment area for carbon monoxide (CO) are described as follows: Start at Colorado Highway 52 where it intersects the eastern boundary of Boulder County; Follow Highway 52 west until it intersects Colorado Highway 119; Follow northern boundary of Boulder city limits west to the 6000- ft. elevation line; Follow the 6000- ft. elevation line south through Boulder and Jefferson Counties to US 6 in Jefferson County; Follow US 6 west to the Jefferson County-Clear Creek County line; Follow the Jefferson County western boundary south for approximately 16.25 miles; Follow a line east for approximately 3.75 miles to South Turkey Creek; Follow South Turkey Creek northeast for approximately 3.5 miles; Follow a line southeast for approximately 2.0 miles to the junction of South Deer Creek Road and South Deer Creek Canyon Road; Follow South Deer Creek Canyon Road northeast for approximately 3.75 miles; Follow a line southeast for approximately five miles to the northern-most boundary of Pike National Forest where it intersects the Jefferson County-Dougls County line; Follow the Pike National Forest boundary southeast through Douglas County to the Douglas County-El Paso County line; Follow the southern boundary on Douglas County east to the Elbert County line; Follow the eastern boundary of Douglas County north to the Arapahoe County line; Follow the southern boundary of Arapahoe County east to Kiowa Creek; Follow Kiowa Creek northeast through Arapahoe and Adams Counties to the Adams-Weld County line; Follow the northern boundary of Adams County west to the Boulder County line; Follow the eastern boundary of Boulder County north to Highway 52.

Adams County(part)	*Nonattainment*	*4/9/97*	*Serious.*
Arapahoe County (part)	*Nonattainment*	*4/9/97*	*Serious.*
Boulder County (part)	*Nonattainment*	*4/9/97*	*Serious.*
Denver County (part)	*Nonattainment*	*4/9/97*	*Serious.*
Douglas County(part)	*Nonattainment*	*4/9/97*	*Serious.*
Jefferson County (part)	*Nonattainment*	*4/9/97*	*Serious.*

--------- \1\ This date is November 15, 1990, unless otherwise noted.

Appendix J – Temporal Distribution of Emissions

** Temporal allocation factors used in the FORTRAN code PRCEMS11**
** These factors are the same as those used in the approved CO SIP except **
** for on-road mobile sources; for on-road, the factors have been revised **
** For more details about PRCEMS11, refer to appendix of Chapter 7 of the **
** CO SIP Technical Support Document **

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STV_HF=         0.0450,0.0230,0.0000,0.0000,0.0000,0.0040,
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```

Table 36. Temporal allocation factors used to distribute AM-Peak, PM-Peak, and Off-Peak on-road mobile emissions for 2006 and 2013.

Hour	AM-Peak Factor	PM-Peak Factor	Off-Peak Factor
0	0	0	0.0147

1	0	0	0.0082
2	0	0	0.0065
3	0	0	0.0065
4	0	0	0.0115
5	0	0	0.0213
6	0	0	0.0769
7	0.5957	0	0
8	0.4043	0	0
9	0	0	0.0671
10	0	0	0.0753
11	0	0	0.0884
12	0	0	0.0818
13	0	0	0.0802
14	0	0	0.0867
15	0	0.2891	0
16	0	0.3554	0
17	0	0.3555	0
18	0	0	0.1341
19	0	0	0.0737
20	0	0	0.0622
21	0	0	0.0540
22	0	0	0.0311
23	0	0	0.0196

Appendix K – Section 110 of the Clean Air Act

Section 110 of the Clean Air Act

Infrastructure Component of the Existing State Implementation Plan

This document explains how Colorado's existing State Implementation Plan (SIP), together with relevant state statutory provisions, comply with the requirements of subparagraphs (B) through (M) of Section 110(a)(2) of the Federal Clean Air Act ("CAA"). Since the SIP already complies with the relevant federal requirements, no SIP revision is necessary to establish the air quality control infrastructure required by Section 110(a)(2). State statutes are cited herein solely for the purpose of demonstrating that the State has the adequate authority under State law to promulgate and administer the SIP. The citation of such state statutory provisions shall not be construed as a submittal to EPA of such statutory provisions for incorporation into the SIP.

Section 110 (a)(2)(B)- Ambient Air Quality Monitoring and Data System

Federal Requirements

Section 110 (a)(2)(B) of the CAA provides that the SIP must: (1) provide for the establishment and operation of appropriate devices, methods, systems, and procedures to monitor, compile, and analyze data on ambient air quality; and (2) upon request, make such data available to the EPA. Also, Federal regulations concerning ambient air quality monitoring programs are found in 40 CFR 58.

Authority and Colorado SIP Provisions

The State of Colorado has an approved monitoring SIP, the authority to conduct monitoring, and the ability to properly handle all related data. The provisions for episode monitoring, data compilation and reporting, public availability of information, and annual network reviews are found in the statewide monitoring SIP which was approved by EPA on July 9, 1980 (45 FR 46073) and August 11, 1980 (45 FR 53147). The State has since revised the monitoring SIP to include all new federal requirements. The revised SIP includes a commitment to operate a PM monitoring network in accordance with those criteria established by EPA regulations (40 CFR Part 58.20 and Appendices A through G). The monitoring SIP also makes the data available to the EPA. The Colorado Air Quality Control Commission (AQCC) adopted monitoring SIP revisions on March 18, 1993.

Section 110 (a)(2)(C)- Program for Enforcement of Control Measures

Federal Requirements

Section 110 (a)(2)(C) of the CAA says that Colorado's SIP must include a program to enforce the measures described in Section 110 (a)(2)(A), and to regulate the modification and construction of any stationary source within the areas covered by the SIP as necessary to assure that the National Ambient Air Quality Standards (NAAQS) are achieved, including a permit program.

Authority and Colorado SIP Provisions

Regulation 3 regulates the construction and modification of stationary sources as necessary to assure that the NAAQS are achieved, and includes a permit program as required in Parts C and D of the CAA

Colorado also has a program for the enforcement of control measures included in the SIP. The Division of Administration in the Colorado Department of Public Health and Environment ("the Division") has the authority to enforce compliance with the emission control regulations adopted by the AQCC, and to enforce the requirements of the SIP. (Section 25-7-115, C.R.S.) The Division's authority includes the authority to issue compliance orders, and to assess civil and noncompliance penalties. (Section 25-7-115, C.R.S.) The Division has the authority to conduct inspections, collect data, and require sources to submit emissions data. (Section 25-7-111, C.R.S.) The Division and the Colorado Department of Revenue jointly enforce the Automobile Inspection and Readjustment program codified in Regulation No. 11 through the denial of registration of vehicles without the requisite inspection and taking enforcement actions, pursuant to Sections 42-4-310, 42-4-311 and 32-4-312, C.R.S. As is described below, the Division has adequate personnel and funding to enforce the control measures included in the SIP.

Section 110 (a)(2)(D)- Interstate Transport

Federal Requirements

Section 110 (a)(2)(D) of the CAA requires the SIP to include provisions prohibiting any source or other type of emissions activity in one state from contributing significantly to non-attainment in another state or from interfering with measures required to prevent significant deterioration of air quality or to protect visibility.

Section 110 (a)(2)(D) of the CAA also requires the SIP to ensure compliance with both Sections 115 and 126 of the CAA. Section 115 provides that air pollutants emitted from sources in Colorado may not endanger public health or welfare of a foreign country. Section 126 requires the SIP to provide for notice to affected states of major proposed new or modified sources which are subject to Part C (relating to significant deterioration of air quality) or which may significantly contribute to levels in excess of the NAAQS in such other states.

Authority and Colorado SIP Provisions

Section A of part 2 of the AQCC Common Provisions (5CCR 1001-2) is adequate to comply with the requirement to prohibit sources in Colorado from contributing to nonattainment in another state. Furthermore, the control measures included in the SIP to protect the NAAQS in Colorado adequately protect other states from significant air pollution from sources in Colorado. If the State is meeting the NAAQS in its own state, then levels of pollutants will never be reached which might exceed the NAAQS in a neighboring state or endanger public health or welfare in a neighboring country.

The SIP also complies with the notice requirements of Section 126 of the CAA. Regulation 3, Part B, Section IV.C.4 provides for notice to any state that may be affected by emissions from a major source or major modification subject to the Prevention of Significant Deterioration program. Colorado also has a regulation requiring installation of BART on stationary sources if visibility impairment in any class I area is reasonably attributed to such stationary source (Regulation 3, Part B.XI.D).

Section (a)(2)(E)- Adequate Resources, State Boards, and Authority

Federal Requirements

Section 110 (a)(2)(E) of the CAA requires the SIP to include: (1) necessary assurances that Colorado has adequate personnel, funding, and authority to carry out the SIP; (2) requirements respecting State boards; and (3) necessary assurances that, where Colorado has relied on a local or regional government, agency, or instrumentality for the implementation of the SIP, Colorado has the responsibility for ensuring adequate implementation of the SIP provision.

Personnel, Funding, and Authority

There are no state or federal provisions prohibiting the implementation of any provision of the Colorado SIP. Colorado has the funding, personnel, and authority to carry out the SIP. Furthermore, the State of Colorado has the responsibility for implementing the SIP, including the provisions administered by local governments. All of the regulatory provisions included in the SIP were adopted by the AQCC pursuant to authority delegated to it by statute. The AQCC's general authority to adopt the rules and regulations necessary to implement the SIP is set out in Section 25-7-105 (1)(a)(I), C.R.S. The general authority for the Division to administer and enforce the program is set out at 25-7-111, C.R.S. Additional authority to regulate air pollution and implement provisions in the SIP is set out elsewhere in the Colorado Air Pollution Prevention and Control Act (Article7 of Title 25, C.R.S.) The AQCC's authority includes the authority to regulate particulate emissions, regardless of size (Section 25-7-109 (2)(b), C.R.S.).

In addition, the AQCC and the Division have the authority delegated to them in Sections 42-4-301 to 42-4-316, C.R.S. (concerning motor vehicle emissions) and 42-4-401 to 42-4-414 (concerning emissions from diesel-powered vehicles). These provisions grant the agencies ample authority to carry out the SIP.

The Division is adequately staffed and has an appropriate annual budget covering the six separate programs within the Division (Stationary Sources, Mobile Sources, Technical Services, Planning and Policy, Business Services, and Financial Services). In fiscal year 1997-1998, the Division had a staff of 153 people and a $12.86 million budget.

State Boards

Section 128 of the CAA indicates Colorado's SIP must contain requirements that any body which approves permits or enforcement orders under the CAA must have a majority of members who represent the public interest and do not derive any significant portion of their income from persons subject to permits or enforcement orders.

The SIP contains adequate provisions implementing the requirements of Section 128. Such provisions are contained in the procedural rules (5 CCR 1001-1) approved by EPA at 40 CFR Section 52.320 (c)(10). The AQCC modified the procedural rules in January 1998. The modifications comply with the requirements of Section 128 and have already been submitted to EPA for approval as a SIP revision.

Relationships with Other Agencies Responsible for Carrying Out State Activities

Where the State relies on local governments to implement a provision of the SIP, the AQCC has promulgated a State regulation requiring the local government to implement such provision. For example, the Colorado Air Quality Control Commission SIP-Specific Regulations (5 CCR 1001-20) establishes requirements for local governments to reduce street sand and to implement local ordinances included in the SIP. Local governments are also subject to the street sanding restrictions set out in Regulation No. 16. In this way the State retains the responsibility for ensuring implementation of the SIP.

State contractual agreements- Local governments implement some aspects of the SIP pursuant to contracts with the Division but the state retains the responsibility for ensuring adequate implementation of the SIP. The agreements with local governments are described here for informational purposes only and not for purposes of incorporation into the SIP. The Division contracts with local governments in two distinct ways:

1. Colorado grants monies to local governments to help pay for their support of SIP elements via public and private partnerships, education and informational campaigns.

2. Local agencies and governments also carry out specific strategies and programs pursuant to contracts with the Division. Pursuant to such contracts, the State

provides grant money to local health departments. In return, the local health departments conduct inspections and maintain air quality monitors.

Section (a)(2)(F)- Stationary Source Monitoring System

Federal Requirements

Section 110 (a)(2)(F) of the CAA provides that the State must require stationary sources of air pollutants to monitor emissions and make periodic reports on such emissions, and requires the State to correlate such reports with emission limitations or standards established under the CAA.

Authority and Colorado SIP Provisions

Regulations 1 and 3 implement the requirements of Section 110(a)(2)(F). Section IV of Regulation 1 requires specified sources to monitor emissions. Regulation 3 and section 25-7-114.1, C.R.S. require all stationary sources to report their emissions on a regular basis through Air Pollution Emission Notices (APENs). In addition, Regulation 3, Part A, sectionVIII provides for emissions monitoring and record-keeping. These SIP provisions (together with Regulation No. 6, Part A, which is included in the State Delegation Package) require monitoring whenever monitoring is prescribed by EPA regulation.

Furthermore, the Division may require owners and operators of stationary air pollution sources to install, maintain, and use instrumentation to monitor and record emission data as a basis for periodic reports to the Division under the Colorado Air Quality Control Commission Common Provisions (5CCR 1001-2).

Section 110 (a)(2)(G)- Emergency Power

Federal Requirements

The requirement to develop and implement emergency plans appears in Sections 110 (a)(2)(G) and 303 of the CAA. Specifically, CAA Section 110 (a)(2)(G) provides that the SIP must provide authority comparable to that in Section 303 and adequate contingency plans to implement such authority.

Authority and Colorado SIP Provisions

Sections 25-7-112 and 25-7-113 provide the State with the authority comparable to that in Section 303 of the CAA. The SIP includes contingency plans to implement the emergency powers in the Denver nonattainment area. The Denver Emergency Episode Plans address ozone, PM_{10}, and carbon monoxide, and are similar to the emergency action plan described in 40 CFR 51.150 and 51.151.

Section 110 (a)(2)(H)- Provisions for SIP Revisions due to NAAQS Changes or Findings of Inadequacies

Federal Requirements

The federal requirements regarding SIP revisions due to NAAQS changes or findings of inadequacies are outlined in Section 110(a)(2)(H) of the CAA. The 110 SIP shall provide for revision of the SIP to: (1) address NAAQS revisions, (2) adopt new control measures, and (3) deal with inadequacies.

Authority

The AQCC has the authority and the duty to adopt and revise the SIP as necessary to comply with the federal requirements. Section 25-7-105(1)(a)(I), (C.R.S.) directs the AQCC to promulgate a comprehensive SIP which will assure attainment and maintenance of the NAAQS, prevent significant deterioration of air quality in the State of Colorado, and meet all requirements of the CAA. The AQCC also has the authority to promulgate the emission control regulations necessary to comply with the relevant federal requirements (Section 25-7-109, C.R.S.).

Section 110 (a)(2)(I)- Part D requirements

Federal Requirements

Section 110 (a)(2)(I) of the CAA requires the SIP to meet the applicable requirements of part D of the CAA for each nonattainment area in the State.

Authority and Colorado SIP Provisions

Colorado has an approved SIP element for every nonattainment area in the State.

Section 110 (a)(2)(J)- Consultation

Federal Requirements

Section 110 (a)(2)(J) of the CAA requires the SIP to include a procedure for consultation, as described in Section 121 of the CAA. Section 121 requires the State to provide, in accordance with regulations promulgated by EPA, a satisfactory process of consultation with local governments and Federal land managers.

Authority and Colorado SIP Provisions

The Division consults with local agencies, governments and elected officials during the SIP development process and during the transportation planning process. Engineering and meteorological consultation are provided by the State to local agencies. The State assists local agencies in planning air management programs for their respective areas. The plans are derived in coordination with the local agencies for an effective air management program. The AQCC holds public hearings on all SIP revisions and all procedures are followed accordingly. The general public has an opportunity to provide comments at every AQCC hearing.

The SIP includes a consultation process that the AQCC uses to determine whether transportation plans and projects conform to the SIP (Regulation 10, Part B, "Criteria for Analysis of Conformity"). Regulation 10, Part B, Section IV.F includes a specific consultation procedure for SIP revisions.

Finally, as part of the State of Colorado's Visibility SIP (Appendix I), the Division consults with the Federal Land Managers as necessary and required. This consultation process was adopted by the AQCC on November 19, 1987.

Section 110 (a)(2)(J)- Public Notification

Federal Requirements

Section 110 (a)(2)(J) of the CAA provides that the SIP must meet the applicable requirements for public notification described in Section 127 of the CAA.

Colorado SIP Provisions

Colorado has an adequate public notification process. As described in Section 127, the Division notifies the public of instances or of areas in which any NAAQS is exceeded. Included in this notification are public awareness announcements regarding health hazards and manners in which the public can participate in regulatory and other efforts to improve Colorado's air quality. The Division compiles a report to the public on an annual basis. The annual report is required by 25-7-105(5), C.R.S. and is included in the monitoring SIP.

Not only does the State provide information about readings in excess of the NAAQS after the fact, the Denver PM_{10} SIP also provides for advance warnings to the public that the NAAQS may be exceeded whenever meteorological conditions make it possible or likely for ambient concentrations to exceed the NAAQS

Section 110 (a)(2)(J)- Prevention of Significant Deterioration and Visibility Protection

Federal Requirements

Section 110 (a)(2)(J) of the CAA provides that the SIP must meet the applicable requirements of Part C (relating to the prevention of significant deterioration of air quality and visibility protection).

Colorado SIP Provisions

Regulation 3 implements the Prevention of Significant Deterioration (PSD) program set out in Subpart I of Part C of the CAA.

Colorado has an approved Visibility SIP, which includes a Long Term Strategy (LTS) for making reasonable progress toward remedying existing, and preventing, future visibility impairment. The Visibility SIP was adopted by the AQCC in 1987. The LTS was revised in 1992, August 1996 and April 1997. The permitting provisions necessary to assure reasonable progress toward the national goal of preventing future, and remedying existing, visibility impairment in Class I areas are set out in Regulation 3, Part C, Section .XI.E.

Section 110 (a)(2)(K)- Air Quality Modeling and Data Handling

Federal Requirements

Section 110 (a)(2)(K) of the CAA requires the SIP to provide for air quality modeling to predict the effect emissions of criteria pollutants will have on ambient air quality, and to provide for the submission of such air quality modeling data to the EPA.

Authority and Colorado SIP Provisions

The Division has the authority and resources to model criteria pollutants, including $PM_{2.5}$. The Modeling, Meteorology, and Emission Inventory Unit within the Division performs and reviews air quality impact analyses for a variety of programs, including SIP revisions, transportation conformity determination, stationary source permitting, environmental impact statements, and hazardous waste site studies. The analyses include modeling, meteorological analysis, and emission inventory development for mobile sources and area stationary sources such as woodburning. The unit also performs air quality forecasting for the Denver-area High Pollution Season, open burning, and for special air quality studies.

The air quality modeling performed by the Division includes any air quality modeling required by EPA regulations to support SIP revisions. Where required by EPA, the air quality modeling requirements are included in the SIP. The SIP provisions requiring air quality modeling include:

PSD and Increment Consumption- Colorado's PSD program includes a requirement that the State periodically assess the adequacy of its plan to prevent significant deterioration of air quality. This is presented in Regulation 3, Part B, Section VII.

Permits- Air quality modeling requirements applicable to stationary sources are set out in Regulation 3. Regulation 3, Part A, § VIII describes Colorado's technical modeling and monitoring requirements. Regulatory requirements for Air Quality Related Values as related to modeling are described within Colorado Regulation 3, Part B § X and XI.

Transportation conformity- Metropolitan Planning Organizations in Colorado must perform regional emissions analyses to predict the effect that transportation plans, programs and projects will have on ambient air quality in nonattainment areas in Colorado (Regulation 10, Part B).

Section 110 (a)(2)(L)- Permitting Fees

Federal Requirements

The federal requirement is set out in Section 110 (a)(2)(L) of the CAA.

Colorado SIP Provisions

The State of Colorado requires the owner or operator of a major stationary source to pay a fee to cover the reasonable costs of reviewing and acting upon any permit applications. The requirement to pay such fees is described in Regulation 3. Regulation 3, Part A.VI requires each person required to obtain a construction or an operating permit, or file an APEN, to pay a fee to cover the cost of processing the permit. Also, owners or operators must pay an annual fee based on total emissions, which funds are used to administer programs for the control of air pollution from stationary sources.

Section (a)(2)(M)- Consultation/Participation by Affected Local Entities

Federal Requirements

Section 110 (a)(2)(M) of the CAA requires the SIP to provide for consultation and participation by local political subdivisions affected by the Colorado SIP.

Authority and Colorado SIP Provisions

The SIP includes a consultation process that allows local political subdivisions to participate in the development of SIPs and SIP revisions (Regulation 10, Part B, Section IV). In addition, the AQCC holds a public hearing following notice before adopting any regulatory revisions to the SIP. Local political subdivisions have an opportunity to participate in the hearing.

Regulation 3 also provides opportunity for local entities to participate in the permitting process. Pursuant to Regulation 3, affected local governments receive notice and have the opportunity to comment on and participate in construction permit review procedures and operating permit application procedures (see, Regulation 3, Part B, Section III.C.4).

Appendix L – Denver International Airport Emission Inventory

November 15, 1999

9911507

Mike Silverstein, Planner
Air Pollution Control Division
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530

RE: Final Draft 1998 Emissions Inventory for Denver International Airport (DIA) and Carbon Monoxide Projections

Dear Mike:

Attached please find the Final Draft 1998 Emissions Inventory for DIA. This replaces the September 1999 Draft, which was sent to Jim DiLeo in the Policy and Planning Section of APCD. The revision incorporates comments received from FAA, and the results of a detailed survey conducted on ground support equipment (GSE) at DIA. Default GSE values from FAA's EDMS model, which were used in the September 1999 Draft Emissions Inventory, have now been replaced with site-specific data.

Also please find DIA's Carbon Monoxide (CO) emissions forecasts. The 1998 Emissions Inventory was used as a baseline in developing these emissions forecasts. DIA is requesting that the forecasts be specifically included in the CO Maintenance Plan, to facilitate general conformity determinations.

Please call me, at 303-342-2636 if you have any comments on the inventory or the forecasts. I am planning to meet with Barbara MacRae tomorrow to discuss some of the technical issues associated with the forecasts and the CO Maintenance Plan.

Sincerely,

Janet S. Kieler, P. E.
Project Manager

CC: Barbara MacRae, APCD
Patrick Cummins, RAQC
Lance Ingalls, DIA
Arthur Mizzi, Burns, Figa & Will
Jim DiLeo, APCD
Arlene Dykstra, DIA
David Gaige, URS
AD.09.02.01.04

	CO Emissions (tons/year)			
Inventory Sub-category	**1998**	**2001**	**2006**	**2013**
Aircraft	2,164.20	2,727.01	3,674.95	5,057.65
Ground Support Equipment	3,537.45	4,542.35	6,109.60	7,701.33
Rental Car Shuttles	58.83	67.49	84.41	107.80
Employee/Public Shuttle Buses	25.59	29.36	36.72	46.89
City Fleet & Plows	233.36	265.92	319.31	380.67
Central Plant Engines	13.33	15.29	19.12	24.42
Central Plant Boilers	0.78	0.89	1.12	1.43
Misc. NG sources	6.98	8.01	10.01	12.79
Diesel-fueled sources	9.06	10.39	13.00	16.60
Fire Fighter Training	N/A	21.11	21.11	21.11
Rental Car Refueling	----	----	----	----
Others - including paint booths and fuel tank farm	----	----	----	----
Oil & Gas Production	----	----	----	----
Oil & Gas Well Construction	5.72	5.72	5.72	5.72
Agricultural Operations	----	----	----	----
Construction Activities	45.43	90.86	90.86	90.86
Total	**6,100.73**	**7,784.40**	**10,385.93**	**13,467.28**

Source Category	**1998 DIA CO Emissions (tons/day)**	**2001 DIA Forecast CO emissions (tons/day)**	**2006 DIA Forecast CO emissions (tons/day)**	**2013 DIA Forecast CO emissions (tons/day)**
Point Sources	0.08	0.15	0.18	0.21
Wood Burning				
Natural Gas				
Structural Fires				
Agricultural Equipment				
Airport-Aircraft	5.93	7.47	10.07	13.86
Airport Service Equipment	9.69	12.44	16.74	21.10
Construction Equipment	0.12	0.25	0.25	0.25
Industrial Equipment	0.02	0.02	0.02	0.02
Light Commercial Equipment				
Helicopters				
Railroads				
On-Road Mobile	0.87	0.99	1.21	1.47
Total	**16.71**	**21.33**	**28.45**	**36.90**

Appendix M – Analysis of the Probability of a Carbon Monoxide Exceedance in Denver During the First Week of February for the Years 2002 through 2013 and Two Possible Levels of Oxygenate in Automotive Fuels Based on Historical Carbon Monoxide Data for 1975 through 1994

Air Pollution Control Division
Colorado Department of Public Health and Environment
INTER-OFFICE *MEMORANDUM*

TO: Sheila Burns, Kim Livo, Rick Barrett, Barbara MacRae

FROM: Pat Reddy

DATE: November 12, 1999

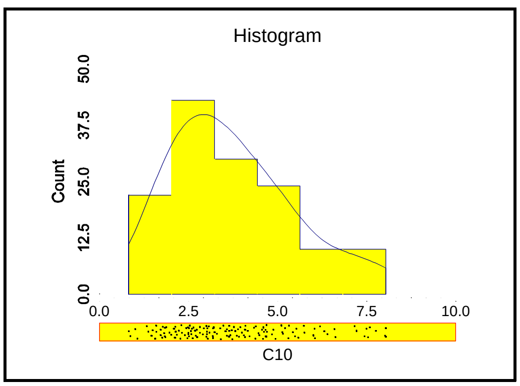
SUBJECT: Oxyfuels analysis for February 1-7, 2002 through 2013

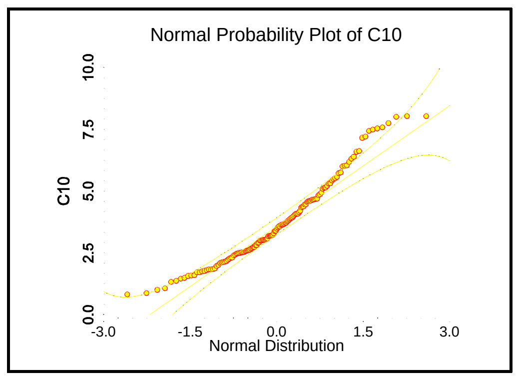
I have attached a copy of the draft report on the results of the latest oxyfuels analysis. This report is a completely revised version of a similar document from 1996 for an earlier round of oxyfuels analysis. The bottom-line is this: we can meet all of the EPA criteria for changing the program if we go to zero oxygen in 2004 or if we start at 1.5% oxygen in 2002 and 2003 and then go to zero for 2004 through 2013. After 2013, a zero-oxygen content would not bring us below the EPA criteria. I have double-checked calculations, but will check these one more time on Tuesday of next week. This draft should provide all the information Kim needs for the AQCC status meeting next Friday. Let me know if you find any errors or omissions. Thanks.

cc: WP4.2.3.5

Analysis of the Probability of a Carbon Monoxide Exceedance in Denver During the First Week of February for the Years 2002 through 2013 and Two Possible Levels of Oxygenate in Automotive Fuels Based on Historical Carbon Monoxide Data for 1975 through 1994

November 12, 1999





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This report describes an analysis of the probability of one or more carbon monoxide (CO) exceedances in downtown Denver during the first week of February in the years 2002 through 2013. The purpose of the analysis is to determine the risks of an exceedance associated with eliminating or altering the oxyfuels content during this week, starting in 2002. Before approving previous changes to the Denver area oxyfuels program, the Environmental Protection Agency (EPA) required that the estimated probability of an exceedance be less than 5% for each week to be changed. The EPA also required that all of the 20 years of adjusted concentrations for that week be less than 9.0 ppm. These criteria and the data used to verify them are explained in greater detail later in this report.

In an attempt to fulfill both requirements, we have considered the risks associated with two oxyfuels scenarios for this first week of February: ***(1) no oxygen for 2002 through 2013; and (2) 1.5% oxygen for 2002 and 2003 and no oxygen from 2004 through 2013***. If the current program were to follow the schedule outlined in the Proposed Carbon Monoxide Redesignation Request and Maintenance Plan for the Denver Metropolitan Area (Regional Air Quality Council and Colorado Department of Public Health and Environment, 1999), the oxygen content for this week would decline in steps from 2.7% in 2002 to 1.7% in 2013. The first two scenarios represent additional measures that could be proposed for adoption by Colorado's Air Quality Control Commission. The study results described in this report show that scenario (2) would meet both of the EPA criteria while scenario (1) would not.

The analysis is based on a mean climatology of 20 years of daily peak 8-hour carbon monoxide (CO) concentrations at the downtown Denver CAMP monitor for the week of interest (February 1 through 7). Concentrations have been adjusted to reflect estimated differences between CO emissions during the measurement years (1975 through 1994) and the analysis years (February of 2002 through 2013) for two different fuel additive scenarios. In other words, for each analysis year, we have scaled or normalized historic concentrations to correspond to projected emissions for the year of interest. For example, a concentration that occurred during a measurement year when emissions were twice what they are expected to be in February of 2002 would have been divided by 2. For each combination of year and oxygen content the scaling process yielded 138 adjusted daily maximum concentrations which were used to calculate risks. The estimated probabilities of one or more CO exceedances at CAMP during the first week of February are presented in Table 1. The risks rise and fall with estimated area-wide emissions for each target year (2002 through 2013). Since these emissions totals drop to a minimum in 2006 and climb slowly afterwards, the risks for each year between 2004 and 2013 are each less than 0.4% and are not listed in Table 1. We will summarize the derivation of these estimates in the text that follows.

Daily peak eight-hour average CO values were obtained for the week of interest for February of 1975 through 1994 for the CAMP monitoring site. These values were adjusted to levels that would have been expected if the metro-area CO emissions had been equivalent to projected winter CO inventories for the target years (2002 to 2013) for each of the two oxygenated fuels scenarios under consideration.

Table 1. Estimated probabilities for one or more exceedances by year and oxygen content.

Oxygen Content and Year	Estimated Probability of One or More CO Exceedances during the First Week of February
No Oxygen	
2002	**0.9%**
2003	**0.8%**
2004	**0.3%**
2013	**0.4%**
1.5% Oxygen	
2002	**0.3%**
2003	**0.1%**

The Mobile Sources Program of the Air Pollution Control Division used the MOBILE5a model to provide metro mean CO emission factors for mobile sources for 1975 through the winter of 1993-1994. These reflected the actual percentage of oxygen in use during each year. The Meteorology Modeling and Emissions Inventory group of the Division's Technical Services Program also generated factors for the winters of 1995 through 2013. The 1995 through 1999 output is based on the current and historical suite of control measures. MOBILE5a was also used to generate output for 2000 through 2013 for the ***no-oxygen*** and ***1.5%-to-no-oxygen*** cases. In all other respects, the MOBILE5a runs for 2000 through 2013 were consistent with the suite of control measures incorporated into the Proposed Carbon Monoxide Redesignation Request and Maintenance Plan for the Denver Metropolitan Area (Regional Air Quality Council and Colorado Department of Public Health and Environment, 1999) submitted to the Air Quality Control Commission. Factors were computed for January conditions and are assumed to be representative for February. A plot of winter CO emissions factors for a zero-oxygen scenario and the historic, current, and maintenance plan oxyfuels program can be found in Figure 1.

The Mobile Sources Program also provided estimated, metro-area, daily vehicle miles traveled (VMT) for 1975 through 1989. These VMT values are for the Denver Transportation Management Area and were obtained from the Denver Regional Council of Governments (DRCOG) Transportation Planning Division. Preliminary, unofficial estimates of VMT for 1990 through 2020 were provided by DRCOG in October of this year (May, 1999). Figure 2 shows the estimated daily VMT for each year.

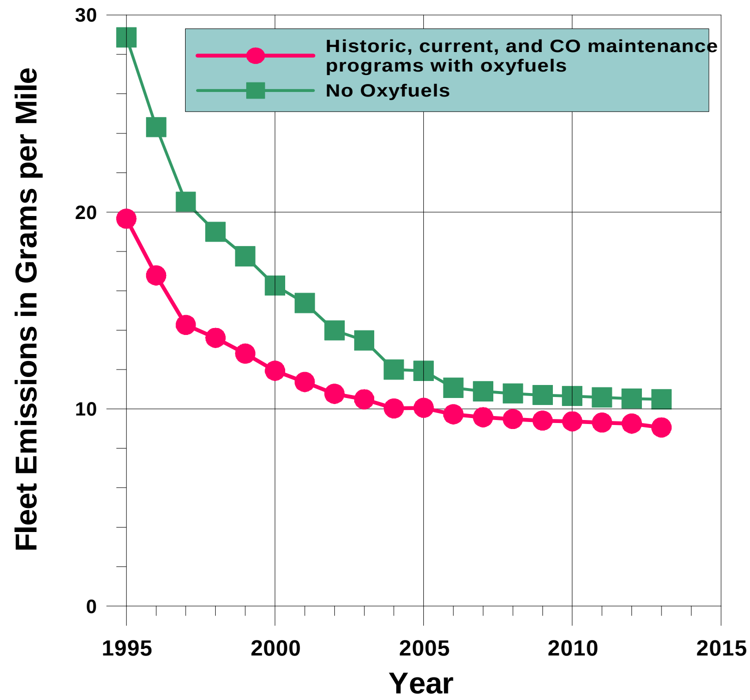


Figure 1. Automotive CO emissions in grams per mile estimated for a typical January day, using MOBILE5a for historic, current and maintenance schedules and also for a no-oxygen scenario.

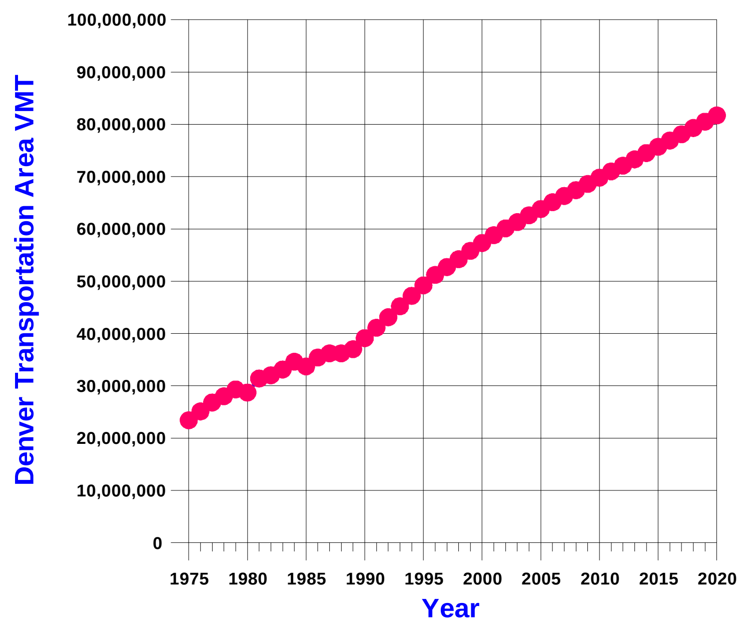


Figure 2. Estimated and projected daily vehicle miles traveled by year for the Denver Transportation Management Area.

The estimated proportion of the total CO inventory accounted for by mobile sources was obtained for 1988, 1989, 1996, and 2001 from a 1994 version of the CO State Implementation Plan (SIP). The fractions for both Episodes A and B were used for 1988/1989 and 1996. The year 2001 value was taken from the projected Episode A inventory of this SIP. The fraction for 1978 was obtained from the 1982 CO SIP (Denver Regional Council of Governments, 1982). A second degree polynomial was fit through the six resulting proportions to provide estimates for each year from 1975 through 1999. Proportions for 2000 through 2020 are based on the modeling conducted for the Proposed Carbon Monoxide Redesignation Request and Maintenance Plan for the Denver Metropolitan Area (Regional Air Quality Council and Colorado Department of Public Health and Environment, 1999). Figure 3 shows the fractions from 1975 through 2020. The inflection in the curve at the year 2000 is due to a transition to a maintenance control strategy. Once the proposed maintenance plan becomes effective, the suite of control strategies would no longer be structured to reduce emissions. Instead it would be designed to maintain air quality at 1999 or 2000 levels. This is why there is an abrupt change in the curve at 2000.

The emission factors, VMT values, and proportions were used to approximate the total CO emissions inventory for each year of interest. The emissions factors were multiplied by the VMT, and then this product was divided by the fraction of total emissions due to mobile sources to obtain an estimate of the total CO inventory. The last column of Table 2 lists the estimated Denver metro area CO emissions inventories for 1975 through 2013 assuming historic, current, and maintenance plan fuel oxygen contents. The VMT numbers, emission factors, and mobile sources fractions for these 39 years are also presented in Table 2. Figure 4 shows the emission inventories from Table 2 and inventories for a no-oxygen scenario from 2002 through 2013.

For each fuel additive scenario, historical, daily peak eight-hour average CO concentrations were multiplied by the appropriate ratios to obtain concentrations *roughly* equivalent to concentrations that would have occurred under the same meteorological conditions if emissions had been equivalent to the target-year inventory for a particular oxygen content. Table 3 lists the inventory ratios applied to actual CO concentrations for 1975 through 1994. These ratios represent the result of dividing the 2002 inventory by the historic inventories for each year from 1975 through 1994. The resulting ratios were later used to correct the peak CO data for each first week of February of the study period. Similar ratios were developed for the other target years between 2002 and 2013.

Table 4 lists the actual peak concentrations for February 1 through 7 for 1975 through 1994. There are 21 exceedances of the standard (9.5 ppm or above) in this data set. There are also 2 concentrations below 1.5 ppm. Maximum 8-hour CAMP concentrations this low are usually inaccurate. Many of the 8-hour concentrations below 1.5 ppm are partially based on concentrations of zero recorded during hours when valid instrument readings were not available. Eight-hour concentrations of 1.5 ppm or lower are not considered to reflect actual conditions and were deleted from the analyses. In some instances removal of these was necessary to normalize the distributions for statistical calculations described below. Table 5 list the concentrations from Table 4 after they had been adjusted for the projected no-oxygen case for 2002. After these adjustments had been applied, there was only one CO exceedance and only one value above the EPA's 9.0 ppm criteria for changing the program.

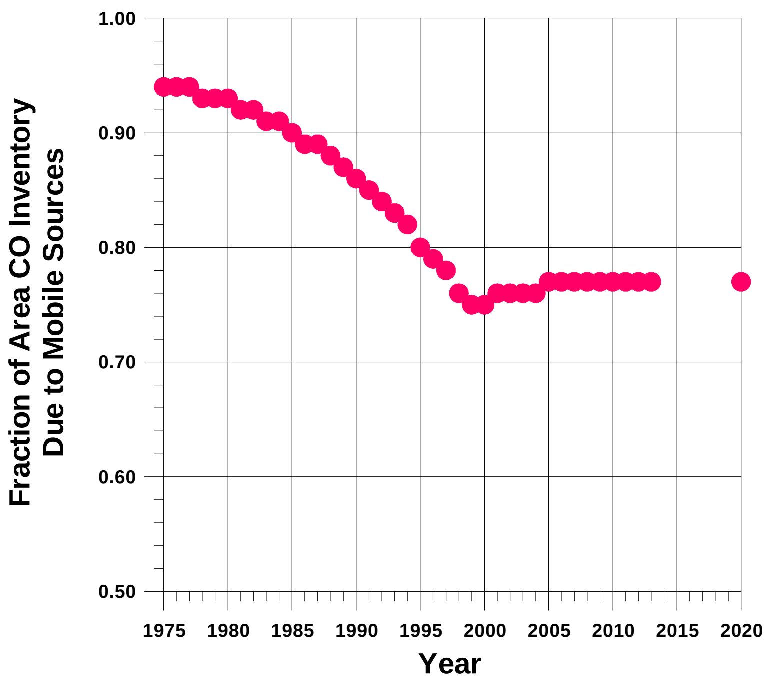


Figure 3. Estimated fraction of Denver carbon monoxide emissions inventory due to mobile sources.

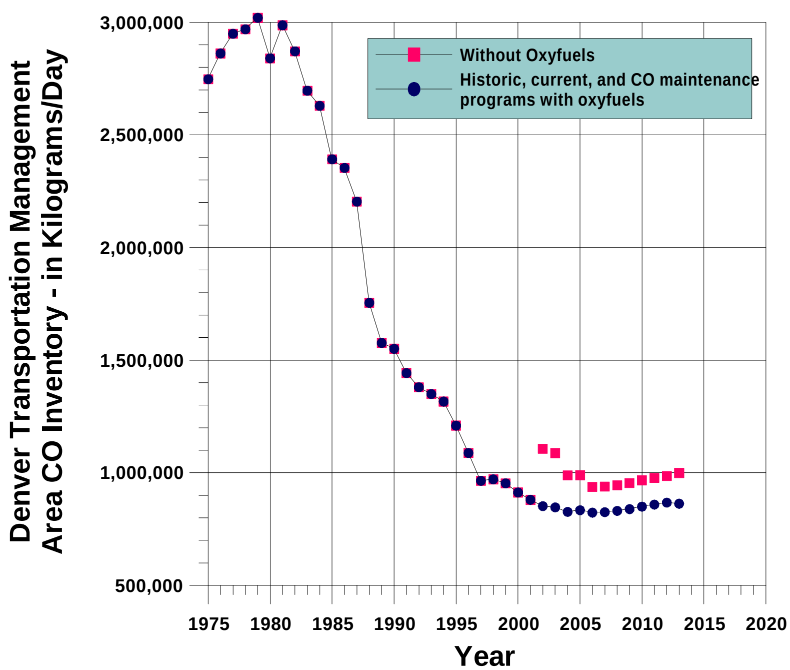


Figure 4. Carbon monoxide inventories for the Denver Transportation Management Area for the historic, current, and CO maintenance plan oxyfuels schedules and also for a future no-oxygen scenario.

Table 2. Inputs to CO emissions inventory calculations and resulting inventories by year assuming historic, current, and maintenance plan fuel oxygen contents.

January of Year	Estimated Daily Vehicle Miles Traveled	Vehicle CO Emission Factors in Grams/Mile for Historic, Current and CO Maintenance Oxygen Content Through 2013	Fraction of Total CO Emissions Inventory Due to Mobile Sources	Historic, Current and Maintenance CO Emissions Inventory in Metric Tons/ Day
1975	23,400,000	110.35	0.94	2,747
1976	25,100,000	107.17	0.94	2,862
1977	26,800,000	103.44	0.94	2,949
1978	28,000,000	98.61	0.93	2,969
1979	29,300,000	95.85	0.93	3,020
1980	28,700,000	92.03	0.93	2,840
1981	31,400,000	87.51	0.92	2,987
1982	32,000,000	82.55	0.92	2,871
1983	33,100,000	74.13	0.91	2,696
1984	34,600,000	69.14	0.91	2,629
1985	33,700,000	63.87	0.90	2,392
1986	35,400,000	59.17	0.89	2,354
1987	36,200,000	54.18	0.89	2,204
1988	36,200,000	42.65	0.88	1,754
1989	37,000,000	37.06	0.87	1,576
1990	39,100,000	34.10	0.86	1,550
1991	41,100,000	29.83	0.85	1,442
1992	43,100,000	26.89	0.84	1,380
1993	45,200,000	24.78	0.83	1,349
1994	47,200,000	22.86	0.82	1,316
1995	49,200,000	19.66	0.80	1,209
1996	51,200,000	16.78	0.79	1,088
1997	52,700,000	14.27	0.78	964
1998	54,200,000	13.61	0.76	971
1999	55,800,000	12.81	0.75	953
2000	57,300,000	11.94	0.75	912
2001	58,800,000	11.37	0.76	880
2002	60,100,000	10.77	0.76	852
2003	61,300,000	10.49	0.76	846
2004	62,600,000	10.03	0.76	826
2005	63,800,000	10.06	0.77	834
2006	65,100,000	9.73	0.77	823
2007	66,300,000	9.58	0.77	825
2008	67,400,000	9.49	0.77	831
2009	68,600,000	9.41	0.77	838
2010	69,800,000	9.37	0.77	849
2011	71,000,000	9.31	0.77	858
2012	72,100,000	9.26	0.77	867
2013	73,300,000	9.06	0.77	862

Table 3. Ratios used to adjust or prorate historic CO concentrations to a 2002 inventory.

Year	No Oxygen in Fuels in 2002	1.5% Oxygen in Fuels in 2002
February 1975	0.403	0.354
February 1976	0.387	0.340
February 1977	0.375	0.330
February 1978	0.373	0.328
February 1979	0.366	0.322
February 1980	0.390	0.343
February 1981	0.370	0.326
February 1982	0.385	0.339
February 1983	0.410	0.361
February 1984	0.421	0.370
February 1985	0.463	0.407
February 1986	0.470	0.413
February 1987	0.502	0.441
February 1988	0.631	0.554
February 1989	0.702	0.617
February 1990	0.714	0.627
February 1991	0.767	0.674
February 1992	0.802	0.705
February 1993	0.820	0.721
February 1994	0.841	0.739

Table 4. ***Actual* CAMP carbon monoxide concentrations in ppm for the first week of February from 1975 through 1994, Values 9.5 ppm or above are highlighted.**

Year	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7
1975	***10.6***	***11.5***	***11.8***	***10.2***	6.1	***12.9***	***13.1***
1976	***9.8***	7.3	6.0	4.2	7.2	8.9	7.1
1977	*9.3*	*5.7*	7.7	7.2	6.4	8.7	5.7
1978	7.9	***10.9***	9.0	5.7	7.6	9.3	7.2
1979	***17.8***	***11.3***	8.4	6.2	***11.7***	***12.1***	7.8
1980	***12.6***	6.7	7.2	7.6	4.7	8.3	4.9
1981	2.2	6.0	8.9	7.4	7.0	8.3	3.7
1982	4.2	4.8	4.1	3.4	5.5	5.9	6.1
1983	4.4	6.1	4.4	6.9	5.5	2.6	5.2
1984	***9.8***	8.0	6.7	4.1	4.3	***9.8***	***9.9***
1985	7.6	5.7	6.2	6.3	***10.4***	8.0	***11.4***
1986	4.7	4.4	7.1	6.4	4.9	4.8	4.6
1987	3.4	5.5	7.8	5.9	6.7	***11.8***	***10.5***
1988	3.3	5.1	4.3	3.7	3.3	3.7	3.8
1989	5.2	2.1	1.9	0.8	1.4	2.3	3.7
1990	4.5	3.5	3.0	3.8	3.4	4.7	8.6
1991	***12.8***	5.6	5.3	3.6	5.6	4.8	5.4
1992	5.1	2.6	1.9	2.1	3.6	3.0	2.5
1993	3.4	2.1	2.4	2.9	4.3	3.7	4.2
1994	3.7	4.2	6.6	6.5	2.9	3.0	3.7

Table 5. **Adjusted CAMP carbon monoxide concentrations in ppm for the first week of February from 1975 through 1994, assuming a winter 2001/2002 *No-Oxygenate* carbon monoxide emissions inventory for each year. Values above 9.5 ppm are highlighted.**

YEAR	Feb 1	Feb 2	Feb 3	Feb 4	Feb 5	Feb 6	Feb 7
1975	4.27	4.63	4.75	4.11	2.46	5.20	5.28
1976	3.79	2.82	2.32	1.62	2.78	3.44	2.74
1977	3.49	2.14	2.89	2.70	2.40	3.26	2.14
1978	2.94	4.06	3.35	2.12	2.83	3.47	2.68
1979	6.52	4.14	3.08	2.27	4.29	4.43	2.86
1980	4.91	2.61	2.80	2.96	1.83	3.23	1.91
1981	0.81	2.22	3.30	2.74	2.59	3.07	1.37
1982	1.62	1.85	1.58	1.31	2.12	2.27	2.35
1983	1.81	2.50	1.81	2.83	2.26	1.07	2.13
1984	4.12	3.37	2.82	1.73	1.81	4.12	4.17
1985	3.52	2.64	2.87	2.91	4.81	3.70	5.27
1986	2.21	2.07	3.34	3.01	2.30	2.26	2.16
1987	1.71	2.76	3.92	2.96	3.36	5.92	5.27
1988	2.08	3.22	2.71	2.33	2.08	2.33	2.40
1989	3.65	1.47	1.33			1.61	2.60
1990	3.21	2.50	2.14	2.71	2.43	3.35	6.14
1991	***9.82***	4.30	4.07	2.76	4.30	3.68	4.14
1992	4.09	2.08	1.52	1.68	2.89	2.41	2.00
1993	2.79	1.72	1.97	2.38	3.53	3.03	3.44
1994	3.11	3.53	5.55	5.47	2.44	2.52	3.11

Probabilities of an exceedance can be determined fairly easily for a large data set if the data are normally distributed. The actual and adjusted values for the first week in February for the entire 20 year period are not normally distributed (data in Tables 4 and 5 and the data sets for the other target years). Plots of the distributions for the adjusted values for a no-oxygen scenario and 2002 inventory can be found in Figure 5. These plots show what look like a borderline lognormal distribution. Seven tests for normality were applied to each of the adjusted data sets. The tests used were the Shapiro-Wilk W, Anderson-Darling, Martinez-Iglewicz, Kolmogorov-Smirnov, D'Agostino Skewness, D'Agostino Kurtosis, and D'Agostino Omnibus. Test results for each adjusted data set were identical. Each passed six and failed one of the normality tests. Test results do not rigorously support the assumption of normality.

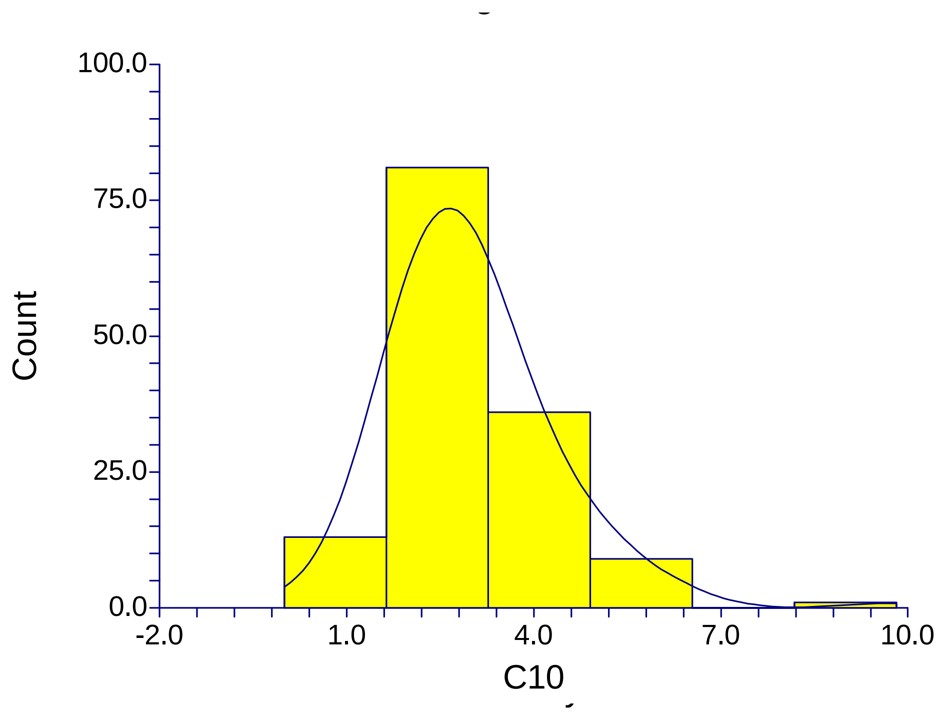
Each of the adjusted data sets, however, were transformed to yield normally distributed data. For each fuel additive option, the natural logs of the 138 peak concentrations have been tested for normality. Plots of the histogram and normal probability plot for the 2002 no-oxygen case are presented in Figure 6. The distributions of the transformed values appear normal, and the normal probability plot falls largely within confidence intervals for this condition. In addition, each data set passed all seven formal tests for normality. Finally, we know that most air quality data can be expected to have a lognormal distribution, so the logs of the data can be expected to be normally distributed.

With this information on hand, the assumption of normality for the transformed data sets is fairly reasonable. Statistics for these transformed data sets were fed into a statistical spreadsheet normal probability calculator to derive the probabilities of an exceedance for any single day in the first week of February. These values were used in equation (1) below to obtain the probabilities of one or more exceedances for the entire week:

$$\boldsymbol{PROBABILITY_{7DAYS}}\ \text{'}\ 1\ \&\ (1\&\boldsymbol{PROBABILITY_{1DAY}})^{7} \qquad (1)$$

where $\boldsymbol{PROBABILITY_{7DAYS}}$ is the probability of one or more exceedances during the first week of the month and $\boldsymbol{PROBABILITY_{1DAY}}$ is the probability of an exceedance on any single day. The resulting 7-day probabilities are listed in Table 1 at the beginning of this report. All of these show a very low risk, less than 1%, for an exceedance. In each case the risk is well below the EPA threshold of 5%. The EPA criteria for changing the program, however, also requires that there are no values of 9.0 ppm or higher in the adjusted data sets.

Table 5, above, shows a 9.82 ppm in the data corrected to 2002 with no oxygenates in the fuels. This is the only value at or above 9.0 ppm in this data set. The 9.82 ppm drops to 9.65 ppm for 2003 with no oxygen and 8.77 ppm for 2004 with no oxygen. As it turns out, any future inventory would need to be below 1,000 metric tons per day before this number drops below 9.0 ppm. ***All of the inventories from 2002 through 2013 would be below 1,000 metric tons per day if the proposed program modification used a 1.5% oxygen mix for the first week in February in 2002 and 2003 and no oxygen for the same week in 2004 through 2013.*** The high values for 2002 and 2003 would drop to 8.63 ppm and 8.00 ppm, respectively with 1.5% oxygen.



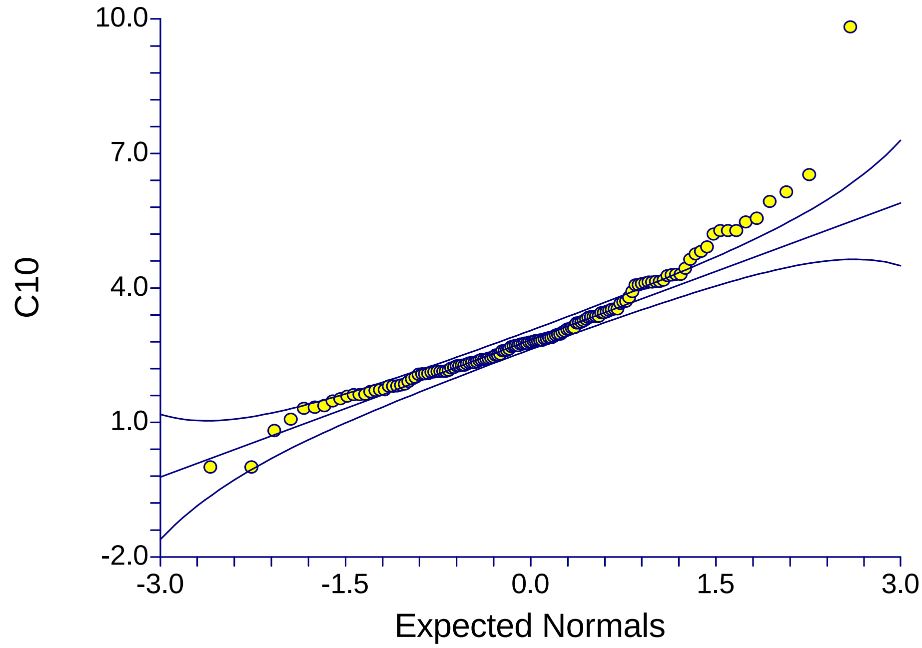
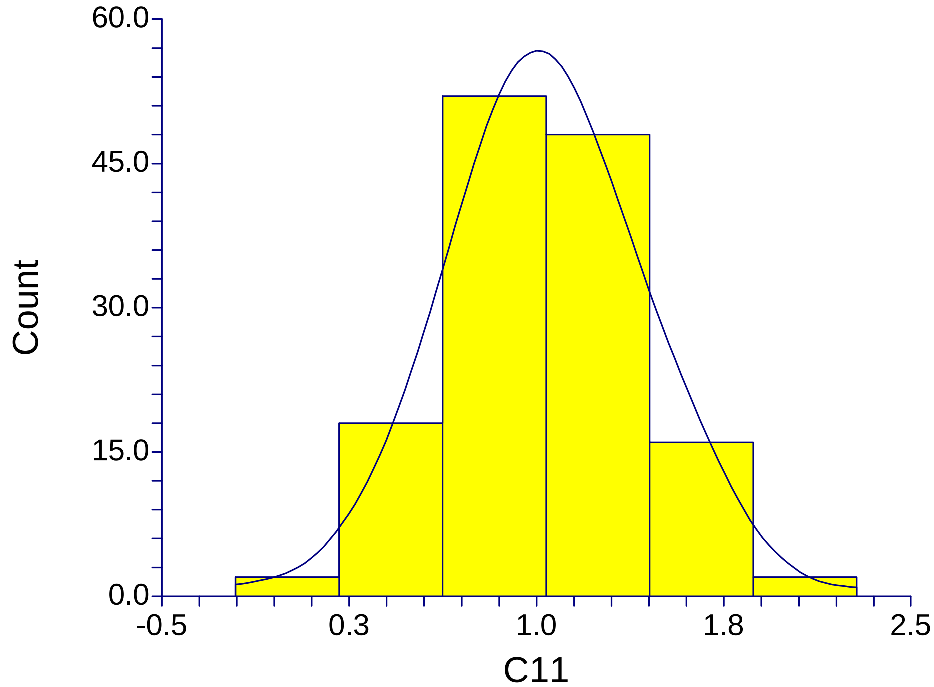


Figure 5. Histogram and normal probability plot for the 138 peak CO concentrations adjusted for no oxygen in 2002 . The adjusted concentrations in ppm are plotted along the x-axis of the histogram at the top of the figure and the y-axis of the normal probability plot at the bottom of the figure.



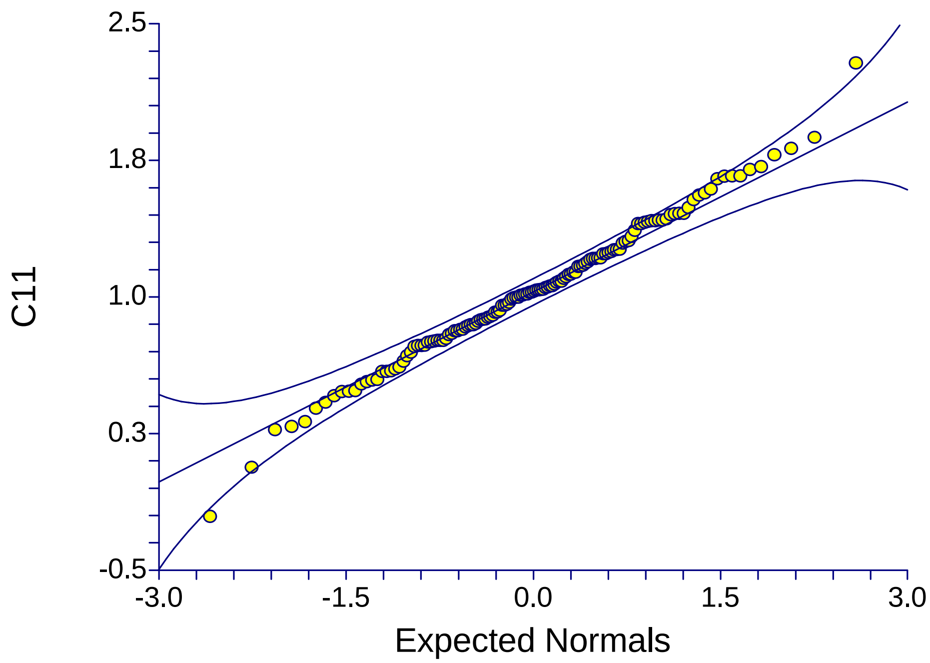


Figure 6. Histogram and normal probability plot for the natural logs of the 138 peak CO concentrations adjusted for no oxygen in 2002. The natural logs of the adjusted concentrations are plotted along the x-axis of the histogram at the top of the figure and the y-axis of the normal probability plot at the bottom of the figure.

References

Denver Regional Council of Governments, 1982. "1982 Revision Denver Regional Element of the State Air Quality Implementation Plan".

May, Jeff, 1999. Personal communication of preliminary, unofficial estimates of Denver Transportation Management Area VMT - on October 21, 1999.

Regional Air Quality Council and Colorado Department of Public Health and Environment, 1999. “Proposed Carbon Monoxide Redesignation Request and Maintenance Plan for the Denver Metropolitan Area”, submitted to the Colorado Air Quality Control Commission on September 27, 1999.

Appendix N – Transportation Modeling Documentation

DRCOG
Denver Regional Council of Governments

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Memorandum

Jim DiLeo, Air Pollution Control Division

From: Jeffrey H. May, Transportation Planning and Programming Coordinator

Modeling Differences Between Carbon Monoxide Maintenance Plan and 2020 Regional Transportation Plan Amendment Conformity Network

Date: October 13, 1999

At your request, this memo defines the differences between the year 2020 highway and transit data sets which were used in (1) the development of the Carbon Monoxide (CO) Maintenance Plan; and (2) the Regional Transportation Plan (RTP) Amendments conformity finding. The CO Maintenance Plan used the network and model run defined for the 1998 conformity finding for the *1999-2004 Transportation Improvement Program* (TIP). The changes in network between the referenced future year networks are the proposed amendments to the RTP including the I-25 Southeast Corridor highway widening. The complete list of these amendments is attached. In addition, a number of changes have been made to the highway network which reflect additional lanes added to the principal arterial network by local governments over the last year (see attached table). Changes to the transit network were made which reflected additional LRT stations on the Central Platte Valley line and the Southeast Corridor.

In addition to the above network changes, the auxiliary lanes along segments of the freeway system were modeled to improve estimates of freeway volumes. A methodology change which affected the model runs concerned representation of commercial trips where assumptions concerning truck loadings and their impact on the system was changed to reflect a more reasonable pattern of heavy truck usage of the freeway system. Lastly, new population and employment allocations to traffic analysis zones was developed based on more current knowledge of development patterns.

cg/8.08/6.13/9.02.24
Attachments
c: Patrick Cummins, Regional Air Quality Council

Highway Network Changes

Figures 1 and 2 illustrate the recommended highway network amendments for the RTP and Metro Vision respectively. The requested amendments and recommendations are as follow:

Broncos Parkway / Easter Avenue Extension (Arapahoe County): **Proposal** – Add a four-lane roadway to the RTP network from Havana Street to Parker Road roughly one mile to the south of Arapahoe Road. **Cost** – Total cost to construct the missing pieces and a bridge over Cherry Creek would be $9.6 million ($6.0 of regional funds requested). **Recommendation** – Do not add to the RTP network. Instead, include it in the Metro Vision preferred network. Funding constraints do not permit the addition of new regionally funded roadways to the RTP network. The Federal Aviation Administration (FAA) has also not yet approved the portion of this roadway that would pass through the Runway Protection Zone of Centennial Airport.

Boulder Intermodal Passenger Facilities (City of Boulder): **Proposal** – Identify two new facilities in the RTP. One at Crossroads Mall (specific site in South Boulder to be determined by RTD) and one on the CU Campus along Broadway. **Cost** – Total cost for the two facilities is estimated at $4 million ($3.2 of regional funds requested) **Recommendation** – Show these facilities in the RTP as transit centers, but do not designate specific funding. Note that the text of the RTP will be revised to describe facilities as transit centers and transfer stations per terminologies used by RTD. All types of transit passenger facilities would be eligible for funding through the TIP, but may not necessarily have associated costs identified in the RTP.

Broomfield Interchange at US-36, SH-128, and US-287 (Broomfield): **Proposal** – Show increased cost for this interchange reconstruction project. Note that the project is already included in the RTP. **Cost** - $71 million ($57 million of regional funds). Current RTP shows a total cost of $67 million without a specific regional funding requirement. **Recommendation** – Keep this project in the RTP and Metro Vision networks reflecting the updated cost. The cost increase is in line with other RTP projects whose 1996 dollar cost estimates were increased to reflect 1998 dollar estimates.

Southeast Corridor Widening of I-25 and I-225 (CDOT): **Proposal** – Add two through travel lanes to I-25 between Broadway and I-225 and from C-470 to Lincoln Avenues. Add 4 through travel lanes to I-25 between I-225 and C-470. Add 2 through travel lanes to I-225 between I-25 and Parker Road. Additional auxiliary and ramp lanes will be added at various locations along the corridor. Include $3 million of travel demand management commitments during the construction of the project. **Cost** – Total of $593.6 million, which is an increase of $495 million over that contained in the existing RTP. **Recommendation** – Add this project to the RTP and Metro Vision highway networks. The project will provide needed improvements in the highest priority congestion corridor in the Denver Region. Passage of the TRANS ballot measure in November will expedite the funding and completion of this project and help to avoid longer-term inflationary cost increases.

Table 1
Locally Funded RTP Network Changes

Jurisdiction	Project Roadway	Improvement Change
Arapahoe Co.	**Jordan Road** From: Arapahoe Rd. To: Douglas Co. Line	Widen from 2 to 4 lanes
Arapahoe Co.	**Arapahoe Road** From: Parker Rd. To: Richfield St.	Should be 6 lanes to reflect current number of lanes
Arvada	**64th Avenue** From: SH-93 To: Indiana St.	Widen from 2 to 4 lanes
Aurora	**Tower Rd.** From: Colfax Ave. To: I-70	Widen from 2/4 to 6 lanes
Aurora	**Tower Rd.** From: I-70 To: 38th Ave.	Widen from 2 to 6 lanes
Broomfield	**Sheridan Blvd.** From: 136th Ave. To: 144th Ave.	new 4 lane road
Broomfield	**SH-128** From: Indiana Street (west city limits) To: 96th St.	Widen from 2 to 4 lanes
Broomfield	**SH-128** From: 96th St. To: SH-121	Widen from 2 to 4 lanes
Broomfield	**144th Ave.** From: 124th St. To: Zuni St.	Widen from 2 to 4 lanes
Denver	**Pena Boulevard** From: I-70 To: E-470	Widen from 4 to 6 lanes
Denver	**Pena Boulevard** At Tower Road	Third ramp movement added to this partial interchange
Thornton	104th Ave. From: Fox Run Pkwy. To: Colorado Blvd.	Widen from 4 to 6 lanes
Parker	Hilltop Road From: SH-83 To: Parker town line	Widen from 2 to 4 lanes
Erie / Boulder Co.	**Isabelle Road** From: US-287 To: E. County Line Rd.	Widen from 2 to 4 lanes
Parker / Douglas Co.	**Jordan Road** From: Douglas Co. Ln. To: 0.1 mi. n/of E-470	Should be 4 lanes to reflect current number of lanes
Parker / Douglas Co.	**Jordan Road** From: Lincoln Ave. To: Mainstreet	Should be 4 lanes to reflect current number of lanes

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A partnership of local governments serving the region since 1955

Memorandum

To: Regional Review Team Members

From: Jeffrey H. May, Transportation Planning and Programming Coordinator

Travel Model Documentation

February 12, 1999

In preparation for finding conformity of the *Metro Vision 2020 Regional Transportation Plan, the Fiscally Constrained Element* and the *1999 -2004 Transportation Improvement Program,* several refinements to the regional travel model were instituted.

A supplement to the documentation of the regional travel model is provided that describes these changes and improvements. It is titled "DRCOG Regional Travel Model Documentation Update for the *1999-2004 Transportation Improvement Program* and *Metro Vision 2020 Regional Transportation Plan, the Fiscally Constrained Element*" and dated October 1998. If you have any technical questions, please contact Liyang Feng at 303-480-6789, or Christopher Primus at 303-480-6768.

Further modeling supplements are expected for the upcoming conformity findings associated with the 1999 plan amendment process and with the 2001-2006 Transportation Improvement Program in the year 2000.

cg/1.04.03
Enclosure

DRCOG Regional Travel Model

Documentation Update for the

1999-2004 Transportation Improvement Program and

MetroVision 2020 Regional Transportation Plan,

the Fiscally Constrained Element

October 1998

Denver Regional Council of Governments
2480 West 26th Avenue, Suite 200B
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Introduction

The Denver Regional Council of Governments (DRCOG) operates and maintains the regional travel model. In preparation for the conformity of the 1999 – 2004 Transportation Improvement Program (TIP) and the MetroVision 2020 Regional Transportation Plan (RTP), the Fiscally Constrained Element, several refinements to the regional travel model were developed, tested, and implemented. These refinements can be categorized into two types: updated demographic forecasts and transportation networks, and technical improvements. The technical improvements include revision of trip generation rates, trip distribution adjustments, traffic assignment refinement, and transit model improvements. This document serves as an addition to the DRCOG regional travel model documents: "Travel Models for Regional and Subarea Planning in the Denver Region" dated April 1992, "Supplemental Documentation of DRCOG Regional Travel Model used in the 1995 Air Quality Conformity Process" dated September 1995, and "Supplemental Documentation of DRCOG Regional Travel Model" dated July 1996.

Software

The regional travel model is operated on a Pentium personal computer using the MINUTP travel demand model software. The 96B version of MINUTP is utilized.

Demographics

The economic and demographic data sets were developed using recently estimated base data for population and households (1996-7), employment (1996) and household income (1995). This data was estimated using methodology discussed in the appendices of the reports "Small Area Employment Estimates Update for 1996," "1995 Small Area Income Estimates," and "1997 Population and Household Estimates" (available from DRCOG's Public Affairs Department).

The base data (DRCOG label 96E) was combined with locally reviewed land use data (first collected in 1980 and updated in 1995). Both groups of data were loaded into the DRCOG demographic regional forecast model (referred to as the Zonal Attractiveness Index Model or ZAI Model). This model allocates population and employment growth to available land areas through a ranking score of land area attractiveness. The Zonal Attractiveness Score is derived estimating each Transportation Analysis Zone's (TAZ) characteristics on a number of variables (including current use, available vacant land, environmental constraints, congestion levels, infrastructure improvements, local comprehensive plans, redevelopment and economic growth, changes in income levels, historic population growth, historic employment growth, and accessibility to roads, transit, open space, and congestion levels). The resulting score is used to determine the relative growth level of a given TAZ.

Using the 2001 Transportation Improvement Program transportation network and the 2011 Fiscally Constrained transportation network, the ZAI model was run for two interval time periods (2001-2011 and 2011-2020). The results were controlled for the DRCOG adopted regional forecasted totals for 2011 and 2020.

Five data sets were produced: 1995, 1996, 2001, 2011, and 2020. Table 1 presents the region's 1995 population households and employment for the Denver metro area, with the changes between the previous and new data sets displayed. In Table 2, a comparison of the new 1996 and 1995 demographic data is displayed.

Table 1

Regional Demographic Data Summary

	Population	Household	Employment
Previous Estimate	2,034,249	825,589	1,118,480
New Estimate	2,050,114	831,201	1,118,515
Difference	+15,865	+5,612	+35

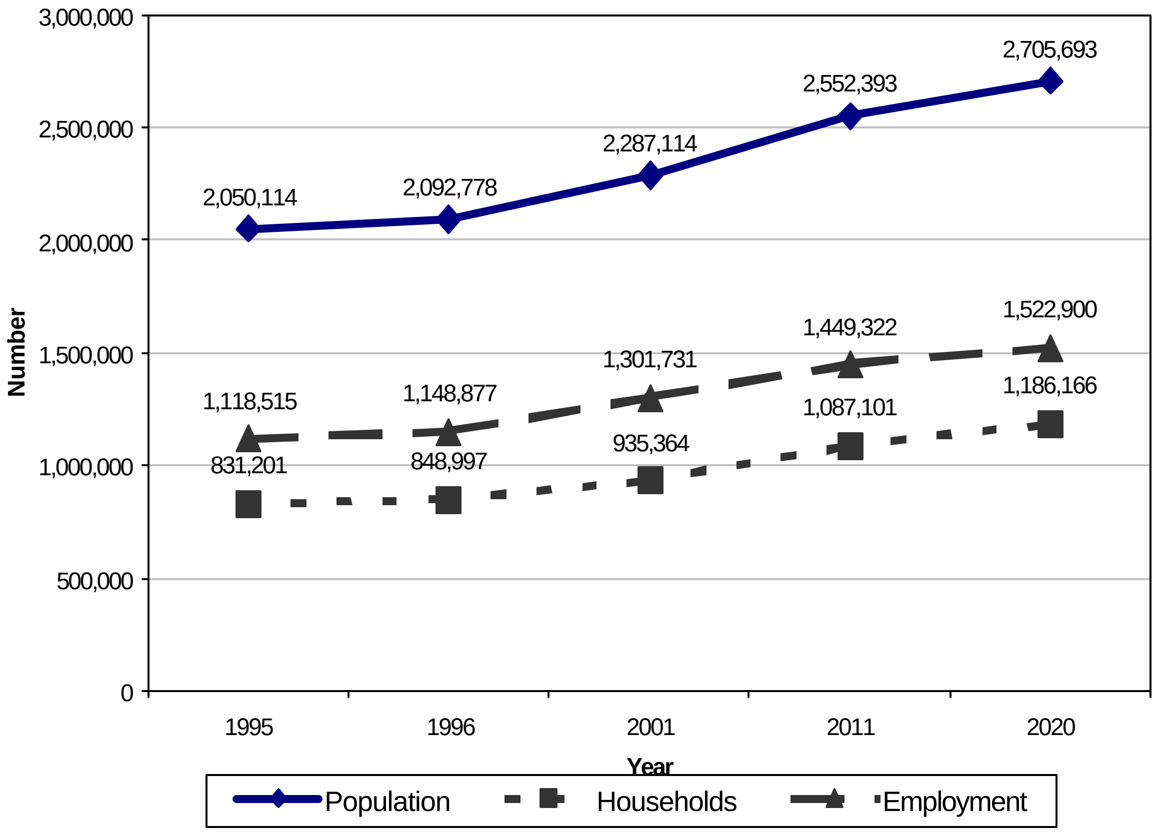
Table 2

Comparison of 1995 and 1996 Demographic Data

	Population	Household	Employment
1995	2,050,114	831,201	1,118,515
1996	2,092,778	848,997	1,148,877
Difference	42,664	17,796	30,362
% Difference	+2.08	+2.14	+2.71

As a reference, Figure 1 displays the total population, employment, and household estimates for all five modeling years.

Figure 1 Demographic Data Estimates



Networks

Highway and transit networks were generated for each of the years 1995, 1996, 2001, 2011, and 2020. The 2020 network is directly defined by the 2020 Regional Transportation Plan, the Fiscally Constrained Element. The RTP specifies fiscally constrained highway and transit transportation system improvements to be completed by the year 2020. The RTP was adopted by DRCOG in September 1998.

For 2001, the network has two sources of planned improvements. Federally and state funded projects are identified in the 1999-2004 TIP. Secondly, a survey of local governments was performed to ascertain non-federally funded projects that are expected to be completed by the year 2001. Commitments must be documented. The survey identifies local roadways such as minor arterials and collectors, as well as major facilities such as E-470.

The set of improvements for 2011 is based on a staging plan. The staging is based on the first portion of anticipated revenues, and a set of projects drawn from the 2020 RTP so that fiscal constraint is met. The rapid transit network includes the southwest light rail line, the southeast light rail line, the east corridor commuter rail line, and the west corridor light rail line. The highway staging was approved by the DRCOG Transportation Advisory Committee and Transportation Policy Committee in March 1998.

The list of improvement projects by completion year is displayed in Appendix C of the "Conformity of the 1999-2004 Transportation Improvement Program and MetroVision 2020 Regional Transportation Plan, the Fiscally Constrained Element with the State Implementation Plan for Air Quality."

Trip Generation

The regional model's trip production rates were originally based on a 1985 Origination and Destination (O&D) Study in the Denver region. During the past 10 years, trip rates have risen. The 1992 Boulder County O&D Survey supplied new information on travel patterns. In general, the trip rates from the Boulder survey are higher than the 1985 rates.

DRCOG's most recent traffic count estimates from Colorado Department of Transportation (CDOT), along with Highway Performance Monitoring System (HPMS) estimates, were used to provide estimates of Vehicle Miles of Travel (VMT) in 1995. An initial 1995 model run was performed, using a set of trip rates based on the 1992 Boulder County O&D study, with a minor revision to Home-Based-Work (HBW) trip rates. The result showed that the initial VMT estimates were below the 1995 observed traffic volume. Technically, several modeling factors could influence VMT estimates, such as the average trip length defined in the model, the percentage mix among all trip purposes, and trip rates. The recalibration of these factors relies on the data provided by a travel survey. DRCOG conducted a new travel survey in 1997, however the data is not yet available. As an interim solution for the conformity model improvement, the trip rates for the Home-Based Non-Work (HBNW) and Non-Home-Based (NHB) trips were raised to match the latest traffic ground counts while maintaining a stable relative percentage relationship between the two trip purposes.

After the adjustments, the overall trip rate for three major internal purposes (HBW, HBNW and NHB) reached 9.46 trips per household. Compared to the rate used in the 1997-2002 TIP conformity set of model runs, the new rate reflects a 7.5 percent increase. For all trip purposes, the new overall trip rate is now 10.6 trips per household. As a reference, Table 3 presents a comparison of the trip rates from the 1985 O&D Survey, 1992 Boulder County O&D Survey, and the new adopted rates for the regional travel model.

Table 3

Major Trip Production Rates

	HBW	**HBNW**	**NHB**	**Total**
1985 Regional O&D	1.97	3.61	2.39	7.97
1992 Boulder O&D	1.81	4.30	2.49	8.60
New Rates	1.99	4.63	2.83	9.46

As a standard practice in trip generation models, the total number of trips attracted are balanced to the total trips produced by trip purpose. It is assumed that the production information, usually collected through an O&D survey, is more reliable than attraction estimates. However, it is still necessary to check the initial attraction numbers and to make sure the number of attractions are not too different from productions. A large difference will cause a skewed balance. Therefore, an examination of the trip attractions was performed. Although the production rate increased slightly, the balance between all trips produced and attracted for three major trip purposes was well maintained. Table 4 compares pre-balanced trips produced and attracted in the MB95 model.

Table 4

Pre-balanced Productions and Attractions

	HBW	**HBNW**	**NHB**
Production	1,655,488	3,847,524	2,356,862
Attraction	1,652,785	3,825,316	2,356,862
% Difference	-0.16	-0.58	0

K-Factor Adjustment

In recent models, it was found that the highway volume assigned on the US-36 corridor was overestimated while the transit ridership was understated. To correct this deficiency, the K-Factor setting was simplified and re-adjusted. After the adjustment, the highway and transit volumes became more reasonable. Figure 2 lists a section of the MINUTP control file which lists the zones involved for K-Factors. A K-Factor matrix is used for all internal trip purposes except the commercial trip purpose. The K-Factor matrix file in the regional model is an input file, KFC9805.DAT, in binary format.

Figure 2

K-Factor Modifications

```
$------------------------------------------------------------------------

$ Create K-factor matrix

$

$     K -FACTOR MATRIX - REGKFACT.DAT
$   FOR BOULDER-DENVER METRO AREA K-FACTORS USING RSA UNITS
$   NON- K-FACTORED ZONES = 1.00 (100 / KFACT(100))
$
$------------------------------------------------------------------------
*PGM MATRIX
*ID 9805 K-FACTOR MATRIX
*UNIT 19=KFC9805.DAT
GET 1
REP 1,100,I=1-1530,J=1-1530

$BOULDER VALLEY TO THE REST OF REGION, <100 MEANS LESS ATTRACTION
$KFC ADJ TEST 7

REP 1,60,I=1261-1413,J=37-1260,1414-1530
REP 1,30,I=37-1260,1414-1530,J=1261-1413

REP 1,300,I=1261-1413,J=1-36
REP 1,100,I=1-36,J=1261-1413

REP 1,80,I=1261-1413,J=1261-1413

OUT 1,901
*
```

Transit Improvements

In June 1997, the Regional Transit District (RTD) contracted KPMG and Barton-

Aschman Associates to improve the transit portion of the regional travel model. The study undertook several major tasks:

- Revising the transit coding procedure
- Revising the transit running time estimation method to be compatible with MINUTP
- Developing an automatic walk access and drive access link generation procedure
- Revising the fare processing procedure to reflect fare policies and distance based fares
- Recalibrating the mode choice model to match observed 1995 transit demand.

The project was finished in May 1998, and the improvements have been incorporated into the comprehensive travel modeling process. Tables 5 and 6 provide the old and new parameters, coefficients, and constants for the home-based work and non-work mode choice models. A complete project report provided by KPMG is available under separate cover.

Table 5

Home-Based Work Mode Choice Parameters, Coefficients, and Constants

UPARM	Parameter	Old Value	New Value
HOVSIZE	Minimum Occupancy for a Carpool		2
PIT	Proportion of Intrazonal Trips That Use Transit	0.006	0.006
PIA	Proportion of Intrazonal Trips That Are Auto-Drivers	0.882	0.882
PET	Proportion of Int/Ext Trips That Use Transit	0	0
PEA	Proportion of Int/Ext Trips That Are Auto-Drivers	1	1
LI	Last Internal Zone	1530	1530
HC	Highway Operating Cost in Cents Per Mile	16	16
O3	Average Car Occupancy for The 3+ Car Occupancy Mode	3.48	3.48
UPARM	**Coefficient**	**Old Value**	**New Value**
IVT	In-Vehicle Time Coefficient	-0.0180	-0.0180
WKT	Walk Transit Time	-0.0540	-0.0540
WT1	Wait1 Trn Time (<7 Min)	-0.0540	-0.0540
WT2	Wait1 Trn Time (>7 Min)	-0.0282	-0.0282
WTT	Wait2 Transit Time (Transfer Time)	-0.0594	-0.0594
TF	Transit Fare	-0.0044	-0.0044
HT1	Hwy Terminal Time Drive Alone	-0.0930	-0.0930
HT2	Hwy Terminal Time 2/Car	-0.0480	-0.0480
HT3	Hwy Terminal Time 3+/Car	-0.0480	-0.0480
HOC	Hwy Operating Cost	-0.0035	-0.0035
HPC	Hwy Parking Cost	-0.0095	-0.0095
HTS	HOV Time Saved	0.0140	0.0140
ACT	Auto Conn Time Coefficient	-0.0540	-0.0540
UPARM	**Constant**	**Old Value**	**New Value**
C2	CBD indicator for Shared Ride 2	-2.5948	-2.6066
C3	CBD indicator for Shared Ride 3+	-5.6074	-5.5721
CWT	CBD indicator for Walk to Transit	-1.9270	-1.9210
CDT	CBD indicator for Drive to Transit	-2.5100	-3.1709
L2	Constant for Shared Ride 2 - Low Income	-1.1676	-1.1676
L3	Constant for Shared Ride 3+ - Low Income	-2.7264	-2.7227
LWT	Constant for Walk to Transit - Low Income	-0.7700	-0.2294
LDT	Constant for Drive to Transit - Low Income	-9.9000	-10.3040
M2	Constant for Shared Ride 2 - Medium Income	-2.5985	-2.5985
M3	Constant for Shared Ride 3+ - Medium Income	-4.4940	-4.4902
MWT	Constant for Walk to Transit - Medium Income	-2.4300	-1.8893
MDT	Constant for Drive to Transit - Medium Income	-4.5000	-4.9023
H2	Constant for Shared Ride 2 - High Income	-2.6528	-2.6528
H3	Constant for Shared Ride 3+ - High Income	-4.4381	-4.4344
HWT	Constant for Walk to Transit - High Income	-9.4700	-8.9293
HDT	Constant for Drive to Transit - High Income	-5.5500	-5.9523

Table 6

Home-Based Non-Work and Non-Home-Based Mode Choice Parameters, Coefficients, and Constants

UPARM	Parameter	Old Value	New Value
UP1	HNW Average Auto Occ (If Using Model)	0	0
UP2	NHB Regional Avg. Auto Occupancy	1.39	1.39
UP9	HNW Average Auto Occ for Model Year	1.47	1.5
COST1A	Auto Per Person Cost in Cents (1985$) - NHB/AAO(1.39)	0.0082	0.0089
COST2A	Population Density - HNW Auto Trips	0.0096	0.0096
POPD	Auto Per Person Cost in Cents (1985$) - HNW/AAO(1.59)	-0.0705	-0.0705
UPARM	**Coefficient**	**Old Value**	**New Value**
IVT1	In-Vehicle Time Coefficient (HNW)	0.0120	0.0120
IVT2	In-Vehicle Time Coefficient (NHB)	0.0131	0.0131
TOVT1	Out-of-Vehicle Time (HNW: Auto Term. Transit Excess)	0.0761	0.0761
TOVT2	Out-of-Vehicle Time (NHB: Auto Term. Transit Excess)	0.0328	0.0328
COST1	Cost in Cents (1985$) - HNW	0.0131	0.0131
COST2	Cost in Cents (1985$) - NHB	0.0133	0.0133
UPARM	**Constant**	**Old Value**	**New Value**
UP3	HNW Auto Constant	-2.6775	-2.7303
UP4	NHB Auto Constant	-4.3100	-4.1380
UP5	Auto Operating Cost (Cents Per Mile - 1985$)	16.0000	1.6000
UP6	HNW CBD Attraction Constant	0.4500	0.7435
UP7	NHB CBD Production Constant	2.2200	2.2200
UP8	NHB CBD Attraction Constant	0.8400	0.2676
UP10	HNW DIA Attraction Constant		0.7201
UP11	NHB DIA Attraction Constant		-1.8736
HNWC	HNW Decimal Fraction of Low Income Hholds Constant	-4.1656	-4.1656

Multi-User Equilibrium Assignment

The new version of MINUTP allows the loading of multiple trip tables on to a network in a single assignment procedure. This procedure is called multi-user equilibrium assignment. The advantage of using this feature is that the algorithm optimizes the path for different trip tables simultaneously. This is an improvement to the current three-stage equilibrium assignment procedure, in which the algorithm selects the best individual paths separately for low occupant vehicles, 2-person vehicles, and 3+ person vehicles. The multi-user assignment allows overall user equilibrium for system optimization.

A test was conducted by using DRCOG=s KE95 travel model to examine the multi-user assignment method. In the test, the HOV assignment stages (with two trip tables: HOV2 and HOV3+) was combined with the SOV assignment. In order to differentiate the HOV and SOV paths available for different trip tables, a link variable AUSE@ is used to mark highway links. The commercial vehicle assignment was not incorporated into the multi-use assignment process due to the limitations of MINUTP software. The new assignment procedure has two stages: commercial vehicle assignment as stage one; and SOV, HOV2, and HOV3+ passenger car multi-user equilibrium assignment as stage two.

The test result demonstrated that the selected paths were more efficient. Although overall Vehicle-Miles Traveled (VMT) slightly increased from 49.263 million to 49.345 million (0.17 percent), the Vehicle-Hours Traveled (VHT) were reduced by 6,500 hours (0.4 percent). Consequently, the system speed increased 0.2 mph (0.6 percent). The VMT distribution by facility type illustrates more details. Freeways, expressways and principal arterials experienced a VMT reduction (26,000), while minor arterial and collectors had a VMT net gain of about 100,000. This indicates the algorithm selected better paths, in terms of minimizing travel time, by diverting trips from higher grade to lower grade facilities.

By adopting this process, several old assignment jobs were eliminated. Due to the increased complexity of calculation, the overall assignment program execution time is about 30 percent longer than before. The new assignment control file is attached as Appendix A.

Optimization of Assignment Iterations

In 1998 DRCOG expanded on a 1996 study of HCM85 volume-delay function and assignment convergence. Due to software and hardware limitations in 1996, the ideal convergency status and the impact under the multi-user assignment scenario could not be tested. In operation practice, unstable speeds for roadways in certain area types and facility types were found during the model speed balancing process. This indicated that the assignment convergence should be studied further.

In the previous three-period assignment, V/C ratio caps were placed on each of the volume-delay functions to reduce the impact of some over-congested links on the link travel time calculation which would, in turn, produce unreasonable speeds.
The necessity of V/C caps in the ten-period assignment were not tested in 1996.

Furthermore, it recently has been suggested by some transportation experts that more iterations would achieve a better equilibrium status and yield a better assignment result.

The purpose of this exercise was to examine:

- The number of iterations and assignment convergency under the multi-user assignment scenario, and

- The impact of volume-delay function V/C caps on ten period assignment.

Two test schemes with three test cases were designed to accomplish the study objectives. Case One and Two form a group to test the convergency status of the assignment. Case One was a multi-user assignment with 15 iterations and V/C caps. Case Two had the same assignment configuration as Case One except the number of iterations was set to infinity. With the assignment tolerance = 0.0001, MINUTP stops automatically when the desired convergency status is reached. This pair of tests was designed to investigate the impact of number of iterations to the assignment performance measures, such as VMT, VHT and speed.

Case Two and Three were another pair of tests to study the impact of V/C ratio caps in the volume-delay functions. Case Three was the same as Case Two, except for the V/C caps. Both had unlimited iterations. The AM peak period assignment was used for the test with the KE95 model.

After the assignment, Case Two converged at iteration 36, with about 1 percent less Passenger Car Equivalent (PCE) VMT than Case One, which terminated at 15 iterations. The VHT in Case Two was about 3.5 percent lower than Case One while delay was 9 percent lower. Table 7 displays the performance measures summarized from Case One and Two.

Table 7

Assignment Iterations Impact on Performance Measures

	Case One 15 Iterations	Case Two 36 Iterations	Difference	% Difference
PCE VMT	8,760,992	8,680,977	-80,015	-0.9%
PCE VHT	318,730	307,289	-11,441	-3.6%
PCE Speed	27.49	28.25	+0.76	+2.8%
PCE Delay Hours	98,037	89,079	-8,958	-9.2%

For the link V/C ratio distribution, Case Two demonstrated a better result, with fewer congested links on all links with V/C ratio greater than 1.0. Table 8 presents the comparison.

Table 8

Assignment Iterations Impact on Link V/C Ratio

V/C ratio	Case One 15 Iterations	Case Two 36 Iterations
1.0-1.25	1617 links, 464 miles	1544 links, 447 miles

1.26-2.0	688 links, 169 miles	606 links, 159 miles
>2.0	28 links, 4 miles	24 links, 2 miles

For the VMT distribution by facility type, it was found that the assignment with more iterations tends to have less VMT assigned to congested areas such as CBD core and CBD fringe. In Case Two, about 11,000 VMT (2 percent of total CBD core and fringe VMT) was diverted from the CBD core and fringe areas during the two-hour a.m. peak period in comparison to Case One.

Cases Two and Three examined the impact of V/C caps in the volume-delay function for the capacity restraint assignment. Case Two has the following volume-delay functions.

Freeway: Tc(1,2)=$T0*(1.0+0.66*MIN(2,$VC)^7.2)
Arterial: Tc(3,4,7)=$T0*(1.0+0.76*MIN(2.3,$VC)^5.9)
Two lane road: Tc(9)=$T0*(1.0+0.73*MIN(6,$VC)^2.2)
Other: Tc(5,6)=$T0*(1.0+0.15*MIN(3.8,$VC)^4)
where, Tc is congested link travel time;
T0 is free flow link travel time; and
VC is volume-capacity ratio.

The maximum V/C ratios for freeways, arterials, and collectors are 2.0, 2.3, and 3.8, respectively.

In Case Three, the V/C ratio caps were eliminated with the revised volume-delay functions as follows:

Tc(1,2)=T0*(1.0+0.66*$VC^7.2)
Tc(3,4,7)=T0*(1.0+0.76*$VC^5.9)
Tc(9)=T0*(1.0+0.73*$VC^2.2)
Tc(5,6)= T0*(1.0+0.15*$VC^4)

As the test results indicated, no significant differences were found between the two cases. For algorithm convergency, Case Three terminated at iteration 37 while Case Two stopped at iteration 36. The assignment performances were very close. The comparisons are presented in Tables 9 and 10.

Table 9

V/C Ratio Caps Impact on Performance Measure

	Case Two 36 Iterations	Case Three 37 Iterations	Difference	% Difference
PCE VMT	8,680,977	8,677,835	-3,142	0.036%
PCE VHT	307,289	306,857	-432	0.14%
PCE Speed	28.25	28.28	+0.03	0.11%
PCE Delay	89,079	88,717	-362	0.4%

Table 10

V/C Ratio Caps Impact on Link V/C Ratio

V/C Ratio	Case Two 36 Iterations	Case Three 37 Iterations
1.0-1.25 1.26-2.0 >2.0	1544 links, 447 miles 606 links, 159 miles 24 links, 2 miles	1549 links, 449 miles 601 links, 157 miles 21 links, 2 miles

For the core and fringe CBD area VMT distribution, the two cases produced almost the same results.

Based on the test results, the recommendations are:

- Set the maximum number of iterations to 50. This is sufficient under most situations. When the congestion level changes in the future, the maximum number of iterations may need to be raised accordingly. The tolerance should be set to TOL=0.0001, the default setting in MINUTP.
- Since there is no significant impact with or without the V/C caps, the max V/C ratio cap should be removed from the volume-delay functions to simplify the coding. A link post-process procedure is introduced to reset the link travel speed to 1.0 mph on those links with congested speed less than 1.0 mph. This increases the consistency of the final speed reporting.

Speed Balancing for 10-Period Assignment

The objective of this improvement was to develop a speed balancing method for the ten-period traffic assignment. Previously, speed balancing was accomplished using a separate, less complex three-period assignment. This exercise was conducted in two stages. The first step was to re-calibrate the 10 assignment results against the most recent 1995 ground counts. This is reported in the next section of this document. The second step, which is described in this section, was to develop a speed balancing procedure for the 10-period assignment that is compatible with the previous three-period assignment speed balancing methodology.

In the three-period assignment, the peak speed balancing process uses a.m. and p.m. one hour VMT-weighted speeds by area type and facility type from the current iteration, and compares them to the speeds generated from the previous iteration. A set of mid-point speeds by area type and facility type is produced as proposed speeds for the next iteration. The same process is carried out for the off-peak speed processing, without the VMT weighting. The proposed two new speed sets (peak and off-peak) are then fed back to the highway path building process to obtain peak and off peak skim trees used for Home Based Work (HBW) and Non-Work (NW) trip distributions, respectively.

Under the 10-period assignment, six different assignments are used in the peak period, while four assignments are used for the off-peak period. To maintain the proper trip distribution pattern and mode choice characteristics, the new process has to feed back a speed set which is similar to the one from the three-period assignment methodology. To achieve this, several tests were performed using the LA95 and XB20 travel model runs to determine a proper combination of the 10 assignment periods to create a compatible speed set. Five of the 10-period assignment (am2, am3, pm2, pm3, and op4) VMT and VHT were finally selected to produce similar peak and off-peak speeds as the three-period assignment. The segment of the MINUTP control file for summarizing speeds is presented in figure 3.

Figure 3

Speed Summary Control File

```
*PGM NETMRG ,32,33,35,36,40
*ID LA95 PEAK & OFF PEAK VMT,VHT FOR SPEED BAL ONLY
$  VMT IN 1/10 UNIT
$  VHT IN 1/10 HOUR UNIT
   COMP AMHRVMT=(DIST(1)*ACTVOL(1)+DIST(2)*ACTVOL(2))/10/2
   COMP AMHRVHT=(ACTVOL(1)*NIMP(1)+ACTVOL(2)*NIMP(2))/600/2

   COMP PMHRVMT=(DIST(3)*ACTVOL(3)+DIST(4)*ACTVOL(4)/2)/10/1.5
   COMP PMHRVHT=(ACTVOL(3)*NIMP(3)+ACTVOL(4)/2*NIMP(4))/600/1.5

SKIP REV=2
    COMP PKHRVMT=(AMHRVMT+PMHRVMT)/2
    COMP PKHRVHT=(AMHRVHT+PMHRVHT)/2
    TAB PKHRVMT,AT=1-5,FT=1-7
    TAB PKHRVHT,AT=1-5,FT=1-7

SKIP REV=2
   COMP OPHRVMT=DIST(5)*ACTVOL(5)/10
   COMP OPHRVHT=ACTVOL(5)*NIMP(5)/600
    TAB OPHRVMT,AT=1-5,FT=1-7
    TAB OPHRVHT,AT=1-5,FT=1-7
*
```

The "a.m. peak" consists of two hours worth of data while, for purposes of calculating a comparable speed to maintain model calibrations, the "p.m. peak" speed estimate is a synthesis of one and one-half hours of data. The a.m. peak and p.m. peak VMT and VHT have the same weight when they are combined into a single peak speed. Appendix B is a comparison between three-period and 10-period assignment output peak and off-peak speeds.

The previous speed balancing process used several linked spreadsheets to summarize the speeds, and determine the proposed speed sets for the next model iteration. While this largely manual process was workable under the three-period assignment scenario, operational difficulty increased significantly for the 10-period assignment process. A fully automated procedure has been designed and developed by using FORTRAN programming language to generate an assignment summary, speed report for air quality analysis, and speed sets for speed balancing. Three programs have been developed: subsum0.exe, subsum1.exe and subsum2.exe. A batch file, all.bat, and a weight file, xxxxwts.ctl, were also developed to run the procedure. Figures 4 and 5 display the batch file and weight file.

Figure 4

Speed Balancing Control File

```
rem
rem This is iteration 9 of the speed balancing process
rem make changes for each iteration
rem
for %%t in (LB95???.TXT) do subsums0.exe %%t LB95WTS.CTL
SUBSUMS1.EXE LB95 LB95WTS.CTL
SUBSUMS2.EXE LB95 LB95WTS.CTL LB95spd.op6 LB95spd.pk6 ITER6A ITER6B ITER10A
rem copy output files to match current iteration names
copy LB95*.out LB95*.it9
copy subsums1.out runsum9.out
copy subsums2.out spdbal9.out
copy subsums2.op LB95spd.o10
copy subsums2.pk LB95spd.p10
```

As shown in Figure 4, the subsums0.exe uses lb95wts.ctl and lb95???.txt file as input to produce lb95???.spd files for the air quality model as well as VMT, VHT and speed summaries for each of the 10-period assignments. The ten lb95???.txt files are link attribute ASCII files generated by a MINUTP NETMRG program for subsum0.exe program to read in link variables. The program subsums1.exe produces VMT, VHT, and speed summaries by a.m. peak, p.m. peak, and off-peak periods. This is a replacement of the spreadsheet summaries. Finally, the subsum2.exe program uses the lb95wts.ctl weight file, which contains the current iteration input peak and off-peak speed information (lb95spd.pk6 and lb95spd.op6), to compare the output speeds, and generates a proposed speed set for the next iteration, iteration 7.

Figure 5

Speed Balancing Weight File

```
31  32  33  34  35  36  37  38  39  40
AM1 AM2 AM3 PM1 PM2 PM3 OP1 OP2 OP3 OP4
1.0 0.5 0.5 2.5 1.0 0.5 8.5 3.0 5.5 1.0
0   1   1   0   1   1   0   0   0   1
9/10/97 LB95 ITERATION 8
```

The lb95wts.ctl file displayed in figure 5 contains several key elements for programs to summarize the assignment results. The first line indicates the MINUTP style input file names. For example, 31 means the first input file is named as lb9531.dat which is one assignment of the a.m. period. The second line of the lb95wts.ctl file displays the time period of each assignment, such as am1, pm2, etc. These periods are corresponding to the file names listed in line one. The third line is a period duration list. Each number indicates the hours for that period. The duration of each assignment period may differ in different models. The fourth line contains a series of speed balancing switches that decide the combination of the periods in the speed balancing process. The last line is a title line that determines the title of the summary report, such as model year, number of iteration, date, etc. It is necessary to check and revise the ????wts.ctl file each time before running the all.bat batch file.

1995 Traffic Assignment Validation

A statistical analysis of the 1995 validation model run has been performed. The 10-period assignment procedure was used in the process. There were 1,222 field observations of one-way link volumes. The data was obtained from 1994, 1995, and 1996 estimates of ground counts. The Transportation Data Management Section prepared them to reflect an average 1995 weekday. The data was categorized several different ways, including facility type, area type, and volume class. Statistical tests were then performed. A brief description of the different statistical methods is provided:

- Percent Error: Sum of the observed volumes subtracted from the sum of the modeled volumes, divided by the sum of the observed volumes. Expressed as a percentage, a value close to 0 percent is desirable. It is a common method to express the difference between two numbers. This measure indicates whether the model is generating and loading an appropriate quantity of trips. It is a common measure of travel modeling with suggested acceptable performance standards:

  - Overall < 5%
  - Freeway < 7%
  - Expressways <10%
  - Principal Arterials <10%
  - Minor Arterials <15%

- Mean Error: The mean of the differences of observed volume subtracted from modeled volume. It is expressed as number of vehicles, usually in thousands. A number close to zero is best. Used in conjunction with standard deviation of the error.

- Standard Deviation of the Error: Indicates the amount of variation of the errors. It is expressed as number of vehicles, usually in thousands. Assuming the errors follow a normal distribution (which is expected), 95 percent of the errors are within plus/minus two standard deviations from the mean, and 68 percent of the errors are within plus/minus one standard deviation of the mean.

- PRMSE (Percent Root Mean Square Error): A measure of error that is informally defined as the ratio of Aaverage error@ to Aaverage observed volume@. It is expressed as a percent, a value close to zero is desirable. This measure places more weight on (emphasizes) larger errors than smaller errors. It also places less importance on high volume observations. PRMSE is commonly used in travel modeling, an acceptable performance standard, suggested by Montana Department of Transportation, is an overall PRMSE of less than 30 percent.

- Linear Regression: If the model produced volumes that mimicked the observed volumes exactly, a perfect linear relationship would result. Regression uses the method of least squares to fit a line that best describes the set of observed values using the set of modeled volumes.

- R, the coefficient of correlation: A quantitative measure of the strength of the linear relationship between modeled volumes and observed volumes. It is a ratio that is expressed as a decimal. A value close to 1 is desirable.

- R^2, the coefficient of determination: Describes how well the regression line (the linear relationship) explains the variation of the modeled volumes with the observed volumes. R^2 is a fraction expressed as a decimal. A value close to 1.0 is desirable. $R^2 \geq 0.88$ should be observed from the assignment on all links with traffic counts.

- Slope and Intercept: The values that describe the regression line. A slope close to 1 is desirable. A slope value less than 1 might indicate that the modeled volumes are generally higher than the observed volumes, a value greater than 1 might indicate that the modeled volumes are generally lower than the observed volumes. The intercept is an adjustment factor added on after the slope factor is applied to the modeled volume. Intercepts close to zero may be desirable.

The results of the validation are satisfactory and indicate that the travel model operates successfully. The overall statistics exceeded the accepted performance standards. The percent error is less than 1 percent, the PRMSE is 28 percent, and the coefficient of correlation R is 0.96. Tables 11 and 12 present summaries of highway volume calibration.

Table 11

Highway Assignment Validation Results

by Roadway Type and Area Type

(1995 LA Travel Model)

	Overall	Freeway	Principal Arterials	Minor Arterials	CBD Fringe	Urban	Suburban	Rural
Number of Observations	1222	238	662	272	141	351	571	159
Percent Error	-0.9%	0.8%	1.3%	-20.7%	-5.1%	-2.5%	2.0%	1.2%
Mean Error (thousands)	-0.2	0.4	0.2	-1.3	-1.4	-0.6	0.3	0.1
Std Dev Error (thousands)	5.4	7.8	4.9	3.5	6.8	5.9	4.9	3.5
PRMSE	28.4%	16.9%	33.2%	60.7%	25.6%	24.8%	29.6%	42.0%
Coefficient of Correlation	0.96	0.96	0.78	0.58	0.97	0.96	0.95	0.93
Regression								
R^2	0.92	0.92	0.61	0.33	0.95	0.93	0.90	0.87
slope	0.97	1.03	0.75	0.71	1.08	1.00	0.85	0.81
intercept (thousands)	0.7	-1.8	3.5	2.7	-0.5	0.7	2.2	1.5

Table 12

Highway Assignment Validation Results by Volume Class

(1995 LA Travel Model)

	Volume Class (in thousands)				
	<10	10 - 30	30 - 50	50 - 80	>80
Number of Observations	440	606	75	68	33
Percent Error	6.3%	-1.3%	-2.3%	1.7%	-6.9%
Mean Error (thousands)	0.3	-0.2	-0.8	1.0	-6.7
Std Dev Error (thousands)	3.3	5.1	7.2	9.3	10.0
PRMSE	62.3%	28.9%	19.7%	15.5%	12.3%
Coefficient of Correlation	0.55	0.70	0.80	0.60	0.48
Regression					
R^2	0.31	0.48	0.63	0.36	0.23
slope	0.34	0.53	0.43	0.47	0.68
intercept (thousands)	3.4	8.4	21.1	31.4	35.7

The statistics, when categorized by facility type, reveal reasonable results. Freeways and major principal arterials have very low error rates (less than 1.3 percent) and high coefficients of correlation (0.96 and 0.78, respectively). The errors are well within the respective standards of 5 percent and 7 percent.

Examination of the modeled versus observed volumes by area type demonstrates reasonable results. The coefficients of correlation are above 0.93 for all area types. The greatest error, -5 percent, is seen in the CBD/Fringe category, but is well within a reasonable error level.

The statistical analysis for volume class was also satisfactory. For links with less than 10,000 (one-way) volume, the error (6 percent) is high but still acceptable. Links with volumes 10,000 to 30,000, 30,000 to 50,000, and 50,000 to 80,000 exhibit relatively low errors (1.3, 2.3, and 1.7 percent, respectively). The number of observations of higher volume links is relatively low. There is some evidence that links with a one-way volume above 80,000 may be slightly underloaded in the model. However, the error (-6.9 percent) is not particularly large.

In comparison to the highway assignment statistics obtained after the model was calibrated to 1990, the results are superior. Links with volume less than 10,000 originally had an error of -20 percent and now have an error of 6 percent. Links with volume between 10,000 and 30,000 had an original error of -5 percent are now within -1 percent. Links with volume between 30,000 and 50,000 had an error of -3 percent now have a reported error of -2 percent. Links with volume between 50,000 and 80,000 had a prior error of -1 percent now demonstrate an error of 2 percent. Links with volume greater than 80,000 had an error of -7 percent now also have an error of -7 percent.

Updated File Name Structure

In this conformity cycle of model runs, several new file name conventions have been adopted. This is because of different sets of VMT estimates were produced to suit different analysis purposes. Three major VMT categories were used in the analysis.

- Standard VMT. These numbers are directly produced from the travel model. The loaded network is named as xxxx10ph.sum.
- Transportation Demand Management (TDM) VMT. DRCOG estimated the effectiveness of a variety of TDMs that reduce the system VMT. It is assumed that all the TDMs take effect during the peak periods. In the modeling process, the peak O-D tables were revised to reflect these measures. The loaded network is named as xxxx10pt.sum.
- Winter VMT. Due to seasonal variations, the VMT in the winter season is less than average daily VMT produced by the travel model. In the Denver region, according to CDOT estimates, the winter season VMT is about 6.3% lower than the average daily VMT. The travel model reflects this accordingly. The loaded network is named as xxxx10pw.sum.

Three sets of model data summaries were produced. Each set contains a loaded network summary file for general purpose, a loaded network file for air quality analysis, and a set of link data text file for air quality analysis. The file names were as shown in Table 13.

Table 13

File Names

	Summary file	Summary file for AQ analysis	Link files for AQ analysis
Standard	xxxx10ph.sum	xxxxhnet.10p	xxxx???.lnk
TDM	xxxx10pt.sum	xxxxhnet.10t	xxxx???.lnt
Winter	xxxx10pw.sum	xxxxhnet.10w	xxxx???.lnw

Note, xxxx is a four letter DRCOG model name, e.g., MB95, EA96, etc.
and ??? is a 10-period assignment period name, e.g., am1, pm2, etc.

Sketch Planning Models

To keep DRCOG's sketch planning model synchronous to the comprehensive models, four sketch planning models (EB96simp, CB01simp, DB11simp and ~C20simp) have been developed and distributed to the local governments that have signed the sketch model release agreement with DRCOG. These four models' networks, demographic data sets, trip generation, distribution, K-Factors, and time-of-day stratification are identical to the standard model. The main difference is that the sketch model does not have a transit module. Instead, it uses a set of matrix conversion processes to convert person trip tables into vehicle trip tables. Also, the assignment procedure uses three periods rather than the 10 periods used in the comprehensive model.

Appendix A

Multi-User Assignment Setup Files

```
$-----------------------------------------------------------------
$    PEAK TRUCK PCE AON ASSIGNMENT
$-----------------------------------------------------------------
*PGM ASSIGN 20
*ID LA95 AM PEAK COM PCE ASSIGNMENT
*UNIT 14=LA95AM.VEH

FLAGVAR=USE                    SPECIFIES USE CODE AS THE FLAG VARIABLE
MATI 401                       TRUCK PCE'S
FLAGFAC 1,,P,P,P,P              SKIP HOV LINKS
THET 0                         1 ITERATION

adjivar=codcurva
baseivar=codcurva
Tc(1,2)=$T0*(1.0+0.66*$VC^7.2)
Tc(3,4,7)=$T0*(1.0+0.76*$VC^5.9)
Tc(9)=$T0*(1.0+0.73*$VC^2.2)
Tc(5,6)=$T0*(1.0+0.15*$VC^4)

PCTADT=57                 AMPK PERIOD TRIPS
PENALTY=1
PENF LA95.pen,FORM=FREE
REPO -3

$   Insert Peak Speeds Here ////////////////////////////////////
SPED 01,395,245,275,265,250,280,305  SET DEFAULT SPEEDS TO AT 4
SPED 11,315,160,150,150,160,190,130  PEAK SPEEDS
SPED 21,270,185,185,155,180,200,290  ITERATION 6A
SPED 31,285,275,215,215,200,260,180
SPED 41,405,290,280,275,245,280,305
SPED 51,520,430,395,395,320,285,230

$  LEVEL-OF-SERVICE E CAPACITIES
CAPA 1-1,11,2000,1280,0800,0415,0400,1100,1280
CAPA 2-2,11,2000,1280,0800,0460,0415,0750,1280
CAPA 3-7,11,2000,1160,0750,0460,0415,0500,1160
CAPA 1-1,21,2000,1280,0935,0580,0500,1100,1280
CAPA 2-2,21,2000,1280,0935,0580,0500,0750,1280
CAPA 3-3,21,2000,1160,0840,0500,0500,0500,1160
CAPA 4-7,21,2000,1160,0800,0500,0500,0375,1160
CAPA 1-1,31,2000,1280,0955,0615,0550,1100,0955
CAPA 2-2,31,2000,1280,0955,0615,0550,0750,0955
CAPA 3-3,31,2000,1160,0875,0540,0550,0500,0875
CAPA 4-7,31,2000,1160,0835,0540,0550,0375,0835
CAPA 1-1,41,2000,1280,1000,0750,0600,1100,1000
CAPA 2-2,41,2000,1280,0960,0750,0600,0750,0960
```

```
CAPA 3-3,41,2000,1160,0875,0700,0600,0500,0875
CAPA 4-7,41,2000,1160,0835,0700,0600,0375,0835
CAPA 1-1,51,2000,1350,0955,0940,0880,1110,0955
CAPA 2-2,51,2000,1350,1135,1135,0880,0750,1135
CAPA 3-7,51,2000,1575,1135,1135,0880,0500,1135
*

$----------------------------------------------------------------
$   AM RUN1: PEAK MULTI-USER ASSIGNMENT ASSIGNS LOV, HOV2, HOV3+
$       VEHICLE TABLES
$   HIGHWAY FACILITY LINK VARIABLE: USE
$       USE = 1, GENERAL PURPOSE LANE TOGGLE
$       USE = 2, CONT ACCESS LANES FOR HOV2 FACILITIES TOGGLE
$       USE = 3, BARR SEPERATE LANES FOR HOV2 FACILITIES TOGGLE
$       USE = 4, CONT ACCESS LANES FOR HOV3+ FACILITIES TOGGLE
$       USE = 5, BARR SEPERATE LANES FOR HOV3+ FACILITIES TOGGLE
$   INPUT TRUCK NET AS 21, OUTPUT NET=22
$----------------------------------------------------------------
*PGM ASSIGN 21
*ID LA95 AM PEAK MULTI-USER ASSIGNMENT
*UNIT 14=LA95AM.VEH

ADDV VOL
MATI 402,403,404            M2: SOV; M3: HOV2; M4: HOV3+
FLAGVAR=USE                 SPECIFIES USE CODE AS THE FLAG VARIABLE
FLAGFAC 1,,P,P,P,P          SOV SKIPS HOV LINKS
FLAGFAC 2,,,P,,P            SR2 SKIPS 3+ LINKS
FLAGFAC 3,,,,,              SR3+ SKIPS NO LINKS
THET 15*0                   15 ITERATIONS
EQUI TOL=0.0001,DRIVE=C     EQUILIBRIUM ASSIGNMENT

adjivar=codcurva
baseivar=codcurva
Tc(1,2)=$T0*(1.0+0.66*$VC^7.2)
Tc(3,4,7)=$T0*(1.0+0.76*$VC^5.9)
Tc(9)=$T0*(1.0+0.73*$VC^2.2)
Tc(5,6)=$T0*(1.0+0.15*$VC^4)

PAR PCTADT=57                  AMPK PERIOD TRIPS,
PENALTY=1
PENF LA95.pen,FORM=FREE
REPO -3

$  FREE-FLOW SPEEDS
SPED 1-7,01,580,450,450,400,300,390,310
SPED 1-7,11,550,400,270,250,200,390,410
SPED 1-7,21,550,400,350,300,250,390,410
SPED 1-7,31,580,450,370,350,250,390,310
SPED 1-7,41,580,450,450,400,300,390,360
SPED 1-7,51,630,490,480,440,350,390,480

$  LEVEL-OF-SERVICE E CAPACITIES
```

```
CAPA 1-1,11,2000,1280,0800,0415,0400,1100,1280
CAPA 2-2,11,2000,1280,0800,0460,0415,0750,1280
CAPA 3-7,11,2000,1160,0750,0460,0415,0500,1160
CAPA 1-1,21,2000,1280,0935,0580,0500,1100,1280
CAPA 2-2,21,2000,1280,0935,0580,0500,0750,1280
CAPA 3-3,21,2000,1160,0840,0500,0500,0500,1160
CAPA 4-7,21,2000,1160,0800,0500,0500,0375,1160
CAPA 1-1,31,2000,1280,0955,0615,0550,1100,0955
CAPA 2-2,31,2000,1280,0955,0615,0550,0750,0955
CAPA 3-3,31,2000,1160,0875,0540,0550,0500,0875
CAPA 4-7,31,2000,1160,0835,0540,0550,0375,0835
CAPA 1-1,41,2000,1280,1000,0750,0600,1100,1000
CAPA 2-2,41,2000,1280,0960,0750,0600,0750,0960
CAPA 3-3,41,2000,1160,0875,0700,0600,0500,0875
CAPA 4-7,41,2000,1160,0835,0700,0600,0375,0835
CAPA 1-1,51,2000,1350,0955,0940,0880,1110,0955
CAPA 2-2,51,2000,1350,1135,1135,0880,0750,1135
CAPA 3-7,51,2000,1575,1135,1135,0880,0500,1135
*

$-----------------------------------------------------------------------
$ COMPILE AM RUN1: PEAK ASSIGNMENT ON UNIT 31
$-----------------------------------------------------------------------
*PGM NETMRG 24,21,22
*ID LA95 AM PEAK ASSNT COMPILATION
$ VOL RELATED VARIABLES IN UNIT 31 ARE IN ONE HOUR UNIT

COMP ACTVOL=VOL1(2)-0.5*VOL(1)    CONVERT PCE VOL TO ACTUAL VOL
IF REV=3
    COMP TOTV=TOTV1(2)
    COMP BIVEH=TOTV-TOTV(1)*0.5
ENDIF
COMP VOL=VOL1(2)
COMP VC=VC1(2)

$ MINIMUM SPEED ROUTINE (SET MIN CSPD=1.0 MPH)
IF TSVA(2)=0.
    if CSPD1(2)=0-9
        COMP NIMP=DIST(2)*60.
        COMP CSPD=10
    ELSE
        COMP NIMP=DIST(2)*60*10/CSPD1(2)
        COMP CSPD=CSPD1(2)
    ENDIF
ENDIF

SKIP REV=2
IF TSVA(2)=0
    IF CSPD1(2)=0-9
        LIST A=1-4,B=6-9,VC1(2)=11-13,CSPD1(2)=15-18,CSPD=20-24
    ENDIF
ENDIF
```

```
SKIP REV=2
$  VMT IN 1/10 UNIT
$  VHT IN 1/10 HOUR UNIT
   COMP AMVMT=DIST*ACTVOL/10
   COMP AMVHT=ACTVOL*NIMP/600
    TAB AMVMT,AT=1-5,FT=1-7
    TAB AMVHT,AT=1-5,FT=1-7

DELE AMVMT,AMVHT
*
```

Appendix B

Output Speed Comparison

Three Periods Versus 10 Periods

3P PKSPD	10P PKSPD	DIFF	3P OPSPD	10P OPSPD	DIFF
15.3	15.4	0.1	26.2	26.5	0.3
15.4	15.5	0.1	23.0	23.3	0.3
16.4	15.9	(0.5)	19.2	19.4	0.2
11.1	11.1	0.0	11.1	11.1	0.0
26.7	27.5	0.8	46.6	48.6	2.0
19.2	18.0	(1.2)	31.4	29.1	(2.3)
18.4	19.2	0.8	31.1	31.8	0.7
16.4	16.8	0.4	27.8	28.4	0.6
17.2	17.1	(0.1)	22.9	23.4	0.5
20.1	20.8	0.7	29.1	29.8	0.7
13.7	13.7	(0.0)	13.9	13.9	0.0
26.5	27.4	0.9	48.0	50.1	2.1
28.1	27.4	(0.7)	37.0	39.7	2.7
20.5	21.2	0.7	33.5	34.2	0.7
20.6	21.4	0.8	32.6	33.2	0.6
20.2	20.1	(0.1)	24.7	24.7	0.0
25.7	26.1	0.4	34.1	34.8	0.7
16.1	16.1	(0.0)	16.1	16.1	(0.0)
39.0	39.5	0.5	55.1	55.8	0.7
29.3	29.3	0.0	40.9	40.8	(0.1)
27.2	27.6	0.4	40.4	41.3	0.9
27.5	27.6	0.1	38.1	38.6	0.5
24.8	24.7	(0.1)	29.6	29.7	0.1
27.9	28.0	0.1	34.3	34.8	0.5
19.7	19.7	(0.0)	19.7	19.7	(0.0)
53.4	53.4	0.0	62.4	62.6	0.2
42.7	43.0	0.3	48.8	48.9	0.1
40.5	40.1	(0.4)	47.5	47.5	0.0
39.4	39.0	(0.4)	43.1	43.2	0.1
32.0	31.7	(0.3)	34.7	34.8	0.1
27.8	28.0	0.2	37.8	38.1	0.3
21.6	21.6	0.0	21.1	21.1	0.0
		0.1			0.4
		0.5			0.8

The following document is available under separate cover.

Abstract

Title:	*1999-2004 Transportation Improvement Program Technical Appendices*
Author:	Denver Regional Council of Governements
Subject:	Six-year multimodal transportation program
Date:	September 16, 1998
Sources of Copies:	Public Affairs Office DRCOG 2480 West 26th Avenue Suite 200B Denver, Colorado 80211
Number of Pages:	140
Abstract:	These Technical Appendices are a support document to the *1999-2004 Transportation Improvement Program*