

Appendix C

Upper Guadalupe River Reach 12

CALEEMOD Notes

(2014)

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CalEEMod Notes
Upper Guadalupe Reach 12

Project Characteristics

1. No utility was selected for the project would not result in use of electrical power during operational phase.

Land Use:

1. Work is within a riverine system. Thus, then use is user-defined. Total clearing and grubbing area is 9.3 acres. The clearing and grubbing footprint is not contiguous.

Construction:

1. In order to obtain higher resolution emission profiles, construction phases were further delineated by equipment and year.
2. Construction phases with asterisks are not associated with any off-road equipment. They function as placeholders for on-road emissions under the "Trips and VMT" tab. This makes easier the revision of on-road emissions.
3. Earthwork phase was split between 2014 and 2015. Approximately 10% of workdays are in 2014.
4. Off road equipment - In general, approximately eight pieces of off-road construction equipment would be utilized periodically as needed for the duration of construction. Off-road construction equipment includes an excavator, loader, dozer, crane, soil stabilizer, grader, roller, and a water truck.

Upper Gaudalupe River Reach 12 Santa Clara County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	0.00	User Defined Unit	9.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2014
Utility Company	User Defined				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - No utilities selected. Project is neither commercial or residential

Land Use - Work is in riverine system. Thus land use is user defined. Total clearing & grubbing area 9.2 acres; land not contiguous.

Construction Phase - Earthwork split between 2014 and 2015: 210 days total/24 days in 2014. 24/210 ~10% user days in 2014. Equipment use in 2014 is 10% of estimated use.

On-road emissions entered as separate phases for ease of editing.

Off-road Equipment - see notes

Off-road Equipment - zz

Off-road Equipment - See notes. "Other General Industrial Equipment" substituted for chippers.

Off-road Equipment - See notes.

Off-road Equipment - See notes.

Off-road Equipment -

Off-road Equipment - See notes.

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Off-road Equipment - See notes.

Off-road Equipment - See notes.

Off-road Equipment - see notes

Trips and VMT - See notes.

On-road Fugitive Dust -

Grading - rough clearing. Loader unlikely to make multiple passes

Energy Use -

Construction Off-road Equipment Mitigation - zz

Off-road Equipment -

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tblConstructionPhase	PhaseEndDate	2/16/2015	6/22/2015
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tblConstructionPhase	PhaseEndDate	11/27/2014	9/2/2014
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2014	4.7307	50.9548	31.1689	0.0465	12.1453	2.5707	14.7160	5.9886	2.3650	8.3536	0.0000	4,882.139 2	4,882.139 2	1.3697	0.0000	4,910.903 4
2015	9.4266	105.8439	55.8546	0.0880	13.0397	5.0516	18.0913	6.8177	4.6475	11.4651	0.0000	9,160.414 4	9,160.414 4	2.6358	0.0000	9,215.766 4
2016	0.9500	10.8613	5.1633	0.0134	0.0599	0.4096	0.4694	0.0151	0.3768	0.3919	0.0000	1,385.845 4	1,385.845 4	0.4132	0.0000	1,394.523 3
2017	0.8792	9.8427	4.7835	0.0134	0.0189	0.3652	0.3841	5.0000e-003	0.3360	0.3410	0.0000	1,362.538 8	1,362.538 8	0.4127	0.0000	1,371.206 4
2018	0.7760	8.2911	4.2692	0.0134	0.0189	0.3025	0.3213	5.0000e-003	0.2783	0.2833	0.0000	1,340.598 4	1,340.598 4	0.4127	0.0000	1,349.264 3
Total	16.7624	185.7939	101.2396	0.1747	25.2826	8.6995	33.9821	12.8313	8.0035	20.8348	0.0000	18,131.53 63	18,131.53 63	5.2442	0.0000	18,241.66 39

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/1/2014	7/21/2014	5	15	
2	Clearing: loader (2014)	Site Preparation	8/12/2014	10/8/2014	5	42	
3	Clearing & Grubbing*: export fill (2014)	Site Preparation	8/12/2014	11/24/2014	5	75	
4	Earthwork: dozer (3 days in 2014)	Site Preparation	8/29/2014	9/2/2014	5	3	
5	Grubbing: dozer (2014)	Site Preparation	9/23/2014	11/19/2014	5	42	
6	Grubbing: loader & excavator (2014)	Site Preparation	9/23/2014	10/10/2014	5	14	
7	Earthwork: water truck (2014)	Site Preparation	11/25/2014	12/2/2014	5	6	
8	Earthwork*: export fill (2015)	Site Preparation	11/25/2014	12/14/2015	5	275	
9	Earthwork*: import fill (2015)	Site Preparation	11/25/2014	12/14/2015	5	275	
10	Earthwork: excavator (2015)	Site Preparation	1/1/2015	1/26/2015	5	18	
11	Earthwork: dozer (29 days in 2015)	Site Preparation	1/1/2015	2/9/2015	5	28	
12	Earthwork: crane, roller, water truck (2015)	Site Preparation	1/15/2015	1/26/2015	5	8	
13	Earthwork: grader, roller, stabilizer (2015)	Site Preparation	1/15/2015	1/19/2015	5	3	
14	Raise Berm: dozer (2015)	Site Preparation	5/26/2015	6/22/2015	5	20	
15	Raise Berm: stabilizer & grader (2015)	Site Preparation	5/26/2015	6/8/2015	5	10	
16	Raise Berm: roller (2015)	Site Preparation	5/26/2015	6/17/2015	5	17	
17	Raise Berm: excavator (2015)	Site Preparation	5/26/2015	5/29/2015	5	4	
18	Raise Berm: water truck (2015)	Site Preparation	5/26/2015	6/15/2015	5	15	

19	Debris Jams: excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
20	Stream Barb: crane & excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
21	Rootwad: crane (2015)	Site Preparation	6/1/2015	6/23/2015	5	17
22	Roodwad: excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
23	undercut bank: excavator & crane (2015)	Site Preparation	6/1/2015	6/9/2015	5	7
24	Debris Jams: crane (2015)	Site Preparation	6/1/2015	7/15/2015	5	33
25	Divert Water: loader (2015)	Site Preparation	6/1/2015	6/12/2015	5	10
26	Gravel: dozer, stabilizer, roller, water truck (2015)	Site Preparation	6/1/2015	9/12/2014	5	10
27	Gravel*: import fill (2015)	Site Preparation	6/1/2015	9/25/2015	5	85
28	Irrigation: loader & crane	Site Preparation	9/15/2015	9/15/2015	5	1
29	Planting: loader (2015)	Site Preparation	9/15/2015	12/16/2015	5	67
30	chain link fence: loader (2015)	Site Preparation	9/15/2015	9/21/2015	5	5
31	ramps: excavator (2015)	Site Preparation	10/13/2015	10/21/2015	5	7
32	ramps: dozer (2015)	Site Preparation	10/13/2015	10/15/2015	5	3
33	ramps: stabilizer (2015)	Site Preparation	10/13/2015	11/3/2015	5	16
34	ramps: grader (2015)	Site Preparation	10/13/2015	11/12/2015	5	23
35	ramps: roller (2015)	Site Preparation	10/13/2015	12/26/2014	5	10
36	Underpass: excavator & crane (2015)	Site Preparation	10/30/2015	10/30/2015	5	1
37	Demobilization (2015)	Site Preparation	12/31/2015	1/15/2016	5	12
38	Plant Maintenance: water truck (2015)	Site Preparation	12/31/2015	2/1/2016	5	23
39	Plant Maintenance: water truck (2016)	Site Preparation	8/17/2016	9/21/2016	5	26
40	Plant Maintenance: water truck (2017)	Site Preparation	3/1/2017	4/6/2017	5	27
41	Plant Maintenance: water truck (2018)	Site Preparation	3/2/2018	4/10/2018	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Clearing: loader (2014)	Rubber Tired Loaders	2	8.00	255	0.40
Earthwork: dozer (3 days in 2014)	Rubber Tired Dozers	1	8.00	255	0.40
Grubbing: dozer (2014)	Rubber Tired Dozers	1	8.00	255	0.40
Grubbing: loader & excavator (2014)	Excavators	1	8.00	255	0.40
Grubbing: loader & excavator (2014)	Rubber Tired Loaders	1	8.00	97	0.37
Earthwork: water truck (2014)	Off-Highway Trucks	1	8.00	400	0.38
Earthwork: excavator (2015)	Excavators	1	8.00	162	0.38
Earthwork: dozer (29 days in 2015)	Rubber Tired Dozers	1	8.00	255	0.40
Earthwork: crane, roller, water truck (2015)	Cranes	1	8.00	226	0.29
Earthwork: crane, roller, water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Earthwork: crane, roller, water truck (2015)	Rollers	1	8.00	80	0.38
Earthwork: grader, roller, stabilizer (2015)	Graders	1	8.00	174	0.41
Earthwork: grader, roller, stabilizer (2015)	Rollers	1	8.00	80	0.38
Earthwork: grader, roller, stabilizer (2015)	Rubber Tired Loaders	1	8.00	199	0.36
Raise Berm: dozer (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Raise Berm: stabilizer & grader (2015)	Graders	1	8.00	174	0.41
Raise Berm: stabilizer & grader (2015)	Rollers	1	8.00	80	0.38
Raise Berm: roller (2015)	Rollers	1	8.00	80	0.38
Raise Berm: excavator (2015)	Excavators	1	8.00	162	0.38
Raise Berm: water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Debris Jams: excavator (2015)	Excavators	1	8.00	162	0.38
Stream Barb: crane & excavator (2015)	Cranes	1	8.00	226	0.29

Stream Barb: crane & excavator (2015)	Excavators	1	8.00	162	0.38
Rootwad: crane (2015)	Cranes	1	8.00	226	0.29
Roodwad: excavator (2015)	Excavators	1	8.00	162	0.38
undercut bank: excavator & crane (2015)	Cranes	1	8.00	226	0.29
undercut bank: excavator & crane (2015)	Excavators	1	8.00	162	0.38
Debris Jams: crane (2015)	Cranes	1	8.00	226	0.29
Divert Water: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
Gravel: dozr, stablizer, rollr, water trk. (2015)	Off-Highway Trucks	1	8.00	400	0.38
Gravel: dozr, stablizer, rollr, water trk. (2015)	Rollers	2	8.00	80	0.38
Gravel: dozr, stablizer, rollr, water trk. (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Irrigation: loader & crane	Cranes	1	8.00	226	0.29
Irrigation: loader & crane	Rubber Tired Loaders	1	8.00	199	0.36
Planting: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
chain link fence: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
ramps: excavator (2015)	Excavators	1	8.00	162	0.38
ramps: dozer (2015)	Rubber Tired Dozers	1	8.00	255	0.40
ramps: stabilizer (2015)	Rollers	1	8.00	80	0.38
ramps: grader (2015)	Graders	1	8.00	174	0.41
ramps: roller (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Underpass: excavator & crane (2015)	Cranes	1	8.00	226	0.29
Underpass: excavator & crane (2015)	Excavators	1	8.00	162	0.38
Plant Maintenance: water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2016)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2017)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2018)	Off-Highway Trucks	1	8.00	400	0.38
Clearing: loader (2014)	Other General Industrial Equipment	2	8.00	87	0.34

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Mobilization	0	5.00	0.00	0.00	12.40	7.30				
Clearing: loader (2014)	1	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: dozer (3 days in 2014)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grubbing: dozer (2014)	1	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grubbing: loader & excavator (2014)	2	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: water truck (2014)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: dozer (29 days in 2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: crane, roller, water truck (2015)	3	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: grader, roller, stabilizer (2015)	3	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: dozer (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: dozer (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: stabilizer & grader (2015)	2	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: roller (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: water truck (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Debris Jams: excavator (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Stream Barb: crane & excavator (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rootwad: crane (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Roadwad: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
undercut bank: excavator & crane (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Debris Jams: crane (2015)	1	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Divert Water: loader (2015)	1	6.00	0.00	1.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Gravel: dozer, stabilizer, roller, water truck (2015)	4	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Irrigation: loader & crane (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Planting: loader (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
chain link fence: loader (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: excavator (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: dozer (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: stabilizer (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: grader (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: roller (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Underpass: excavator & crane (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Gravel*: import fill (2015)	0			668.00	12.40	7.30	20.00			
Plant Maintenance: water truck (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Plant Maintenance: water truck (2016)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Plant Maintenance: water truck (2017)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Plant Maintenance: water truck (2018)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Clearing & Grubbing*: export fill (2014)	0			3,000.00	12.40	7.30	20.00			
Demobilization (2015)	0	5.00	0.00	0.00	12.40	7.30				
Earthwork*: export fill (2015)	0			957.00	12.40	7.30	20.00			
Earthwork*: import fill (2015)	0			431.00	12.40	7.30	20.00			

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Mobilization - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.2 Mobilization - 2014**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.3 Clearing: loader (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8065	0.0000	4.8065	2.4190	0.0000	2.4190			0.0000			0.0000
Off-Road	2.3421	25.7387	12.9476	0.0225		1.3061	1.3061		1.2016	1.2016		2,383.3793	2,383.3793	0.7043		2,398.1699
Total	2.3421	25.7387	12.9476	0.0225	4.8065	1.3061	6.1126	2.4190	1.2016	3.6206		2,383.3793	2,383.3793	0.7043		2,398.1699

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.3 Clearing: loader (2014) - 2014**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1629	0.0000	2.1629	1.0885	0.0000	1.0885			0.0000			0.0000
Off-Road	2.1942	21.3358	29.1147	0.0225		0.9904	0.9904		0.9423	0.9423	0.0000	2,383.379 3	2,383.379 3	0.7043		2,398.169 9
Total	2.1942	21.3358	29.1147	0.0225	2.1629	0.9904	3.1533	1.0885	0.9423	2.0308	0.0000	2,383.379 3	2,383.379 3	0.7043		2,398.169 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.4 Clearing & Grubbing*: export fill (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.5288	0.0000	0.5288	0.1298	0.0000	0.1298			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.5288	0.0000	0.5288	0.1298	0.0000	0.1298			0.0000			0.0000

3.4 Clearing & Grubbing*: export fill (2014) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.5288	0.0000	0.5288	0.1298	0.0000	0.1298			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.5288	0.0000	0.5288	0.1298	0.0000	0.1298			0.0000			0.0000

3.5 Earthwork: dozer (3 days in 2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2723	14.4965	11.0901	8.8900e-003		0.6759	0.6759		0.6218	0.6218		943.8771	943.8771	0.2789		949.7345
Total	1.2723	14.4965	11.0901	8.8900e-003	6.0221	0.6759	6.6980	3.3102	0.6218	3.9321		943.8771	943.8771	0.2789		949.7345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703
Total	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703

3.5 Earthwork: dozer (3 days in 2014) - 2014**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1079	0.4677	3.9577	8.8900e-003		0.0144	0.0144		0.0144	0.0144	0.0000	943.8771	943.8771	0.2789		949.7345
Total	0.1079	0.4677	3.9577	8.8900e-003	2.7099	0.0144	2.7243	1.4896	0.0144	1.5040	0.0000	943.8771	943.8771	0.2789		949.7345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703
Total	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703

3.6 Grubbing: dozer (2014) - 2014**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5271	0.0000	6.5271	3.3648	0.0000	3.3648			0.0000			0.0000
Off-Road	1.2723	14.4965	11.0901	8.8900e-003		0.6759	0.6759		0.6218	0.6218		943.8771	943.8771	0.2789		949.7345
Total	1.2723	14.4965	11.0901	8.8900e-003	6.5271	0.6759	7.2030	3.3648	0.6218	3.9866		943.8771	943.8771	0.2789		949.7345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.6 Grubbing: dozer (2014) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9372	0.0000	2.9372	1.5141	0.0000	1.5141			0.0000			0.0000
Off-Road	0.1079	0.4677	3.9577	8.8900e-003		0.0144	0.0144		0.0144	0.0144	0.0000	943.8771	943.8771	0.2789		949.7345
Total	0.1079	0.4677	3.9577	8.8900e-003	2.9372	0.0144	2.9516	1.5141	0.0144	1.5285	0.0000	943.8771	943.8771	0.2789		949.7345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.7 Grubbing: loader & excavator (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9679	10.5445	5.0890	0.0118		0.5861	0.5861		0.5393	0.5393		1,249.6893	1,249.6893	0.3693		1,257.4445
Total	0.9679	10.5445	5.0890	0.0118	0.0000	0.5861	0.5861	0.0000	0.5393	0.5393		1,249.6893	1,249.6893	0.3693		1,257.4445

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.7 Grubbing: loader & excavator (2014) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8612	4.6075	8.3254	0.0118		0.3638	0.3638		0.3638	0.3638	0.0000	1,249.6893	1,249.6893	0.3693		1,257.4445
Total	0.8612	4.6075	8.3254	0.0118	0.0000	0.3638	0.3638	0.0000	0.3638	0.3638	0.0000	1,249.6893	1,249.6893	0.3693		1,257.4445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515
Total	0.0495	0.0584	0.6807	1.1300e-003	0.0943	8.3000e-004	0.0951	0.0250	7.6000e-004	0.0258		101.7312	101.7312	5.7300e-003		101.8515

3.8 Earthwork: water truck (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.0547	12.5617	5.5632	0.0132		0.4813	0.4813		0.4428	0.4428		1,396.8614	1,396.8614	0.4128		1,405.5300
Total	1.0547	12.5617	5.5632	0.0132	0.0000	0.4813	0.4813	0.0000	0.4428	0.4428		1,396.8614	1,396.8614	0.4128		1,405.5300

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703
Total	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703

3.8 Earthwork: water truck (2014) - 2014**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,396.8614	1,396.8614	0.4128		1,405.5300
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,396.8614	1,396.8614	0.4128		1,405.5300

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703
Total	9.8900e-003	0.0117	0.1362	2.3000e-004	0.0189	1.7000e-004	0.0190	5.0000e-003	1.5000e-004	5.1500e-003		20.3462	20.3462	1.1500e-003		20.3703

3.9 Earthwork*: export fill (2015) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.4686	0.0000	0.4686	0.1150	0.0000	0.1150			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.4686	0.0000	0.4686	0.1150	0.0000	0.1150			0.0000			0.0000

3.9 Earthwork*: export fill (2015) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.4686	0.0000	0.4686	0.1150	0.0000	0.1150			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.4686	0.0000	0.4686	0.1150	0.0000	0.1150			0.0000			0.0000

3.9 Earthwork*: export fill (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0510	0.0000	0.0510	0.0125	0.0000	0.0125			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0510	0.0000	0.0510	0.0125	0.0000	0.0125			0.0000			0.0000

3.9 Earthwork*: export fill (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0510	0.0000	0.0510	0.0125	0.0000	0.0125			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0510	0.0000	0.0510	0.0125	0.0000	0.0125			0.0000			0.0000

3.10 Earthwork*: import fill (2015) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.2111	0.0000	0.2111	0.0518	0.0000	0.0518			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.2111	0.0000	0.2111	0.0518	0.0000	0.0518			0.0000			0.0000

3.10 Earthwork*: import fill (2015) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.2111	0.0000	0.2111	0.0518	0.0000	0.0518			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.2111	0.0000	0.2111	0.0518	0.0000	0.0518			0.0000			0.0000

3.10 Earthwork*: import fill (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0230	0.0000	0.0230	5.6400e-003	0.0000	5.6400e-003			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0230	0.0000	0.0230	5.6400e-003	0.0000	5.6400e-003			0.0000			0.0000

3.10 Earthwork*: import fill (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0230	0.0000	0.0230	5.6400e-003	0.0000	5.6400e-003			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0230	0.0000	0.0230	5.6400e-003	0.0000	5.6400e-003			0.0000			0.0000

3.11 Earthwork: excavator (2015) - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4166	4.8648	3.4392	5.2900e-003		0.2401	0.2401		0.2209	0.2209		555.5551	555.5551	0.1659		559.0381
Total	0.4166	4.8648	3.4392	5.2900e-003	0.0000	0.2401	0.2401	0.0000	0.2209	0.2209		555.5551	555.5551	0.1659		559.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.11 Earthwork: excavator (2015) - 2015**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0651	0.2823	4.0172	5.2900e-003		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381
Total	0.0651	0.2823	4.0172	5.2900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.12 Earthwork: dozer (29 days in 2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2731	14.3870	10.9764	8.8800e-003		0.6712	0.6712		0.6176	0.6176		933.9313	933.9313	0.2788		939.7864
Total	1.2731	14.3870	10.9764	8.8800e-003	6.0221	0.6712	6.6933	3.3102	0.6176	3.9278		933.9313	933.9313	0.2788		939.7864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.12 Earthwork: dozer (29 days in 2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1079	0.4677	3.9577	8.8800e-003		0.0144	0.0144		0.0144	0.0144	0.0000	933.9313	933.9313	0.2788		939.7864
Total	0.1079	0.4677	3.9577	8.8800e-003	2.7099	0.0144	2.7243	1.4896	0.0144	1.5040	0.0000	933.9313	933.9313	0.2788		939.7864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.13 Earthwork: crane, roller, water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1394	24.3112	10.5693	0.0214		1.1164	1.1164		1.0271	1.0271		2,250.5564	2,250.5564	0.6719		2,264.6660
Total	2.1394	24.3112	10.5693	0.0214	0.0000	1.1164	1.1164	0.0000	1.0271	1.0271		2,250.5564	2,250.5564	0.6719		2,264.6660

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.13 Earthwork: crane, roller, water truck (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2624	1.1370	10.4247	0.0214		0.0350	0.0350		0.0350	0.0350	0.0000	2,250.5564	2,250.5564	0.6719		2,264.6660
Total	0.2624	1.1370	10.4247	0.0214	0.0000	0.0350	0.0350	0.0000	0.0350	0.0350	0.0000	2,250.5564	2,250.5564	0.6719		2,264.6660

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.14 Earthwork: grader, roller, stabilizer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.9406	21.0145	8.8927	0.0150		1.0933	1.0933		1.0058	1.0058		1,575.4076	1,575.4076	0.4703		1,585,2845
Total	1.9406	21.0145	8.8927	0.0150	0.5303	1.0933	1.6235	0.0573	1.0058	1.0631		1,575.4076	1,575.4076	0.4703		1,585,2845

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.14 Earthwork: grader, roller, stabilizer (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.5878	7.9592	15.3575	0.0150		0.1508	0.1508		0.1508	0.1508	0.0000	1,575.4076	1,575.4076	0.4703		1,585,2845
Total	0.5878	7.9592	15.3575	0.0150	0.2386	0.1508	0.3894	0.0258	0.1508	0.1766	0.0000	1,575.4076	1,575.4076	0.4703		1,585,2845

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.15 Raise Berm: dozer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.0442	0.0000	12.0442	6.6205	0.0000	6.6205			0.0000			0.0000
Off-Road	1.2731	14.3870	10.9764	8.8800e-003		0.6712	0.6712		0.6176	0.6176		933.9313	933.9313	0.2788		939.7864
Total	1.2731	14.3870	10.9764	8.8800e-003	12.0442	0.6712	12.7154	6.6205	0.6176	7.2380		933.9313	933.9313	0.2788		939.7864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0881	3.9000e-004	0.0885	0.0226	3.5000e-004	0.0229		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0881	3.9000e-004	0.0885	0.0226	3.5000e-004	0.0229		49.1989	49.1989	2.6000e-003		49.2534

3.15 Raise Berm: dozer (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.4199	0.0000	5.4199	2.9792	0.0000	2.9792			0.0000			0.0000
Off-Road	0.1079	0.4677	3.9577	8.8800e-003		0.0144	0.0144		0.0144	0.0144	0.0000	933.9313	933.9313	0.2788		939.7864
Total	0.1079	0.4677	3.9577	8.8800e-003	5.4199	0.0144	5.4343	2.9792	0.0144	2.9936	0.0000	933.9313	933.9313	0.2788		939.7864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0881	3.9000e-004	0.0885	0.0226	3.5000e-004	0.0229		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0881	3.9000e-004	0.0885	0.0226	3.5000e-004	0.0229		49.1989	49.1989	2.6000e-003		49.2534

3.16 Raise Berm: stabilizer & grader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3977	0.0000	0.3977	0.0429	0.0000	0.0429			0.0000			0.0000
Off-Road	1.4282	14.2304	7.0229	8.8700e-003		0.8617	0.8617		0.7927	0.7927		932.3896	932.3896	0.2784		938.2351
Total	1.4282	14.2304	7.0229	8.8700e-003	0.3977	0.8617	1.2594	0.0429	0.7927	0.8357		932.3896	932.3896	0.2784		938.2351

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.16 Raise Berm: stabilizer & grader (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1790	0.0000	0.1790	0.0193	0.0000	0.0193			0.0000			0.0000
Off-Road	0.1077	0.4665	6.6392	8.8700e-003		0.0144	0.0144		0.0144	0.0144	0.0000	932.3896	932.3896	0.2784		938.2351
Total	0.1077	0.4665	6.6392	8.8700e-003	0.1790	0.0144	0.1933	0.0193	0.0144	0.0337	0.0000	932.3896	932.3896	0.2784		938.2351

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.17 Raise Berm: roller (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3664	3.3626	2.0422	2.6200e-003		0.2506	0.2506		0.2305	0.2305		275.3231	275.3231	0.0822		277.0492
Total	0.3664	3.3626	2.0422	2.6200e-003	0.0000	0.2506	0.2506	0.0000	0.2305	0.2305		275.3231	275.3231	0.0822		277.0492

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.17 Raise Berm: roller (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0322	0.1394	1.9838	2.6200e-003		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	275.3231	275.3231	0.0822		277.0492
Total	0.0322	0.1394	1.9838	2.6200e-003	0.0000	4.2900e-003	4.2900e-003	0.0000	4.2900e-003	4.2900e-003	0.0000	275.3231	275.3231	0.0822		277.0492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.18 Raise Berm: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4166	4.8648	3.4392	5.2900e-003		0.2401	0.2401		0.2209	0.2209		555.5551	555.5551	0.1659		559.0381
Total	0.4166	4.8648	3.4392	5.2900e-003	0.0000	0.2401	0.2401	0.0000	0.2209	0.2209		555.5551	555.5551	0.1659		559.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.18 Raise Berm: excavator (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0651	0.2823	4.0172	5.2900e-003		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381
Total	0.0651	0.2823	4.0172	5.2900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.19 Raise Berm: water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.0307	12.1386	5.4600	0.0132		0.4637	0.4637		0.4266	0.4266		1,382.8799	1,382.8799	0.4129		1,391.5497
Total	1.0307	12.1386	5.4600	0.0132	0.0000	0.4637	0.4637	0.0000	0.4266	0.4266		1,382.8799	1,382.8799	0.4129		1,391.5497

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.19 Raise Berm: water truck (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,382.8799	1,382.8799	0.4129		1,391.5497
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,382.8799	1,382.8799	0.4129		1,391.5497

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.20 Debris Jams: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4166	4.8648	3.4392	5.2900e-003		0.2401	0.2401		0.2209	0.2209		555.5551	555.5551	0.1659		559.0381
Total	0.4166	4.8648	3.4392	5.2900e-003	0.0000	0.2401	0.2401	0.0000	0.2209	0.2209		555.5551	555.5551	0.1659		559.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.20 Debris Jams: excavator (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0651	0.2823	4.0172	5.2900e-003		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381
Total	0.0651	0.2823	4.0172	5.2900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.21 Stream Barb: crane & excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1589	13.6748	6.5063	0.0109		0.6423	0.6423		0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051
Total	1.1589	13.6748	6.5063	0.0109	0.0000	0.6423	0.6423	0.0000	0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.21 Stream Barb: crane & excavator (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1345	0.5828	6.5603	0.0109		0.0179	0.0179		0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051
Total	0.1345	0.5828	6.5603	0.0109	0.0000	0.0179	0.0179	0.0000	0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.22 Rootwad: crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7423	8.8100	3.0671	5.6400e-003		0.4022	0.4022		0.3700	0.3700		592.3534	592.3534	0.1768		596.0671
Total	0.7423	8.8100	3.0671	5.6400e-003	0.0000	0.4022	0.4022	0.0000	0.3700	0.3700		592.3534	592.3534	0.1768		596.0671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.22 Rootwad: crane (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0694	0.3005	2.5430	5.6400e-003		9.2500e-003	9.2500e-003		9.2500e-003	9.2500e-003	0.0000	592.3534	592.3534	0.1768		596.0671
Total	0.0694	0.3005	2.5430	5.6400e-003	0.0000	9.2500e-003	9.2500e-003	0.0000	9.2500e-003	9.2500e-003	0.0000	592.3534	592.3534	0.1768		596.0671

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.23 Roadwad: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4166	4.8648	3.4392	5.2900e-003		0.2401	0.2401		0.2209	0.2209		555.5551	555.5551	0.1659		559.0381
Total	0.4166	4.8648	3.4392	5.2900e-003	0.0000	0.2401	0.2401	0.0000	0.2209	0.2209		555.5551	555.5551	0.1659		559.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.23 Roadwad: excavator (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0651	0.2823	4.0172	5.2900e-003		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381
Total	0.0651	0.2823	4.0172	5.2900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.24 undercut bank: excavator & crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1589	13.6748	6.5063	0.0109		0.6423	0.6423		0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051
Total	1.1589	13.6748	6.5063	0.0109	0.0000	0.6423	0.6423	0.0000	0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.24 undercut bank: excavator & crane (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1345	0.5828	6.5603	0.0109		0.0179	0.0179		0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051
Total	0.1345	0.5828	6.5603	0.0109	0.0000	0.0179	0.0179	0.0000	0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.25 Debris Jams: crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7423	8.8100	3.0671	5.6400e-003		0.4022	0.4022		0.3700	0.3700		592.3534	592.3534	0.1768		596.0671
Total	0.7423	8.8100	3.0671	5.6400e-003	0.0000	0.4022	0.4022	0.0000	0.3700	0.3700		592.3534	592.3534	0.1768		596.0671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.25 Debris Jams: crane (2015) - 2015**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0694	0.3005	2.5430	5.6400e-003		9.2500e-003	9.2500e-003		9.2500e-003	9.2500e-003	0.0000	592.3534	592.3534	0.1768		596.0671
Total	0.0694	0.3005	2.5430	5.6400e-003	0.0000	9.2500e-003	9.2500e-003	0.0000	9.2500e-003	9.2500e-003	0.0000	592.3534	592.3534	0.1768		596.0671

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.26 Divert Water: loader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5124	6.7842	1.8698	6.1300e-003		0.2316	0.2316		0.2131	0.2131		643.0180	643.0180	0.1920		647.0494
Total	0.5124	6.7842	1.8698	6.1300e-003	0.0000	0.2316	0.2316	0.0000	0.2131	0.2131		643.0180	643.0180	0.1920		647.0494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2900e-003	0.0334	0.0215	8.0000e-005	1.7400e-003	5.2000e-004	2.2600e-003	4.8000e-004	4.7000e-004	9.5000e-004		7.6479	7.6479	6.0000e-005		7.6492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0267	0.0313	0.3655	6.8000e-004	0.0566	4.6000e-004	0.0570	0.0150	4.2000e-004	0.0154		59.0386	59.0386	3.1100e-003		59.1040
Total	0.0290	0.0647	0.3870	7.6000e-004	0.0583	9.8000e-004	0.0593	0.0155	8.9000e-004	0.0164		66.6865	66.6865	3.1700e-003		66.7533

3.26 Divert Water: loader (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4801	7.4926	8.7182	6.1300e-003		0.1365	0.1365		0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494
Total	0.4801	7.4926	8.7182	6.1300e-003	0.0000	0.1365	0.1365	0.0000	0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2900e-003	0.0334	0.0215	8.0000e-005	1.7400e-003	5.2000e-004	2.2600e-003	4.8000e-004	4.7000e-004	9.5000e-004		7.6479	7.6479	6.0000e-005		7.6492
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0267	0.0313	0.3655	6.8000e-004	0.0566	4.6000e-004	0.0570	0.0150	4.2000e-004	0.0154		59.0386	59.0386	3.1100e-003		59.1040
Total	0.0290	0.0647	0.3870	7.6000e-004	0.0583	9.8000e-004	0.0593	0.0155	8.9000e-004	0.0164		66.6865	66.6865	3.1700e-003		66.7533

3.28 Gravel*: import fill (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.1039	0.0000	0.1039	0.0255	0.0000	0.0255			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.1039	0.0000	0.1039	0.0255	0.0000	0.0255			0.0000			0.0000

3.28 Gravel*: import fill (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.1039	0.0000	0.1039	0.0255	0.0000	0.0255			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.1039	0.0000	0.1039	0.0255	0.0000	0.0255			0.0000			0.0000

3.29 Irrigation: loader & crane - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.2547	15.5941	4.9369	0.0118		0.6338	0.6338		0.5831	0.5831		1,235.3714	1,235.3714	0.3688		1,243.1164
Total	1.2547	15.5941	4.9369	0.0118	0.0000	0.6338	0.6338	0.0000	0.5831	0.5831		1,235.3714	1,235.3714	0.3688		1,243.1164

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.29 Irrigation: loader & crane - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5495	7.7932	11.2613	0.0118		0.1457	0.1457		0.1457	0.1457	0.0000	1,235.3714	1,235.3714	0.3688		1,243.1164
Total	0.5495	7.7932	11.2613	0.0118	0.0000	0.1457	0.1457	0.0000	0.1457	0.1457	0.0000	1,235.3714	1,235.3714	0.3688		1,243.1164

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.30 Planting: loader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5124	6.7842	1.8698	6.1300e-003		0.2316	0.2316		0.2131	0.2131		643.0180	643.0180	0.1920		647.0494
Total	0.5124	6.7842	1.8698	6.1300e-003	0.0000	0.2316	0.2316	0.0000	0.2131	0.2131		643.0180	643.0180	0.1920		647.0494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.30 Planting: loader (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4801	7.4926	8.7182	6.1300e-003		0.1365	0.1365		0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494
Total	0.4801	7.4926	8.7182	6.1300e-003	0.0000	0.1365	0.1365	0.0000	0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.31 chain link fence: loader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5124	6.7842	1.8698	6.1300e-003		0.2316	0.2316		0.2131	0.2131		643.0180	643.0180	0.1920		647.0494
Total	0.5124	6.7842	1.8698	6.1300e-003	0.0000	0.2316	0.2316	0.0000	0.2131	0.2131		643.0180	643.0180	0.1920		647.0494

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.31 chain link fence: loader (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4801	7.4926	8.7182	6.1300e-003		0.1365	0.1365		0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494
Total	0.4801	7.4926	8.7182	6.1300e-003	0.0000	0.1365	0.1365	0.0000	0.1365	0.1365	0.0000	643.0180	643.0180	0.1920		647.0494

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.32 ramps: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4166	4.8648	3.4392	5.2900e-003		0.2401	0.2401		0.2209	0.2209		555.5551	555.5551	0.1659		559.0381
Total	0.4166	4.8648	3.4392	5.2900e-003	0.0000	0.2401	0.2401	0.0000	0.2209	0.2209		555.5551	555.5551	0.1659		559.0381

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.32 ramps: excavator (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0651	0.2823	4.0172	5.2900e-003		8.6900e-003	8.6900e-003		8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381
Total	0.0651	0.2823	4.0172	5.2900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	8.6900e-003	8.6900e-003	0.0000	555.5551	555.5551	0.1659		559.0381

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.33 ramps: dozer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.2731	14.3870	10.9764	8.8800e-003		0.6712	0.6712		0.6176	0.6176		933.9313	933.9313	0.2788		939.7864
Total	1.2731	14.3870	10.9764	8.8800e-003	6.0221	0.6712	6.6933	3.3102	0.6176	3.9278		933.9313	933.9313	0.2788		939.7864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.33 ramps: dozer (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1079	0.4677	3.9577	8.8800e-003		0.0144	0.0144		0.0144	0.0144	0.0000	933.9313	933.9313	0.2788		939.7864
Total	0.1079	0.4677	3.9577	8.8800e-003	2.7099	0.0144	2.7243	1.4896	0.0144	1.5040	0.0000	933.9313	933.9313	0.2788		939.7864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520
Total	0.0133	0.0156	0.1828	3.4000e-004	0.0283	2.3000e-004	0.0285	7.5000e-003	2.1000e-004	7.7200e-003		29.5193	29.5193	1.5600e-003		29.5520

3.34 ramps: stabilizer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3664	3.3626	2.0422	2.6200e-003		0.2506	0.2506		0.2305	0.2305		275.3231	275.3231	0.0822		277.0492
Total	0.3664	3.3626	2.0422	2.6200e-003	0.0000	0.2506	0.2506	0.0000	0.2305	0.2305		275.3231	275.3231	0.0822		277.0492

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.34 ramps: stabilizer (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0322	0.1394	1.9838	2.6200e-003		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	275.3231	275.3231	0.0822		277.0492
Total	0.0322	0.1394	1.9838	2.6200e-003	0.0000	4.2900e-003	4.2900e-003	0.0000	4.2900e-003	4.2900e-003	0.0000	275.3231	275.3231	0.0822		277.0492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.35 ramps: grader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3979	0.0000	0.3979	0.0430	0.0000	0.0430			0.0000			0.0000
Off-Road	1.0618	10.8678	4.9807	6.2500e-003		0.6111	0.6111		0.5622	0.5622		657.0665	657.0665	0.1962		661.1859
Total	1.0618	10.8678	4.9807	6.2500e-003	0.3979	0.6111	1.0090	0.0430	0.5622	0.6052		657.0665	657.0665	0.1962		661.1859

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.35 ramps: grader (2015) - 2015**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1791	0.0000	0.1791	0.0193	0.0000	0.0193			0.0000			0.0000
Off-Road	0.0755	0.3271	4.6554	6.2500e-003		0.0101	0.0101		0.0101	0.0101	0.0000	657.0665	657.0665	0.1962		661.1859
Total	0.0755	0.3271	4.6554	6.2500e-003	0.1791	0.0101	0.1891	0.0193	0.0101	0.0294	0.0000	657.0665	657.0665	0.1962		661.1859

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.37 Underpass: excavator & crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.1589	13.6748	6.5063	0.0109		0.6423	0.6423		0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051
Total	1.1589	13.6748	6.5063	0.0109	0.0000	0.6423	0.6423	0.0000	0.5909	0.5909		1,147.9084	1,147.9084	0.3427		1,155.1051

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.37 Underpass: excavator & crane (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1345	0.5828	6.5603	0.0109		0.0179	0.0179		0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051
Total	0.1345	0.5828	6.5603	0.0109	0.0000	0.0179	0.0179	0.0000	0.0179	0.0179	0.0000	1,147.9084	1,147.9084	0.3427		1,155.1051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534
Total	0.0222	0.0261	0.3046	5.7000e-004	0.0472	3.9000e-004	0.0475	0.0125	3.5000e-004	0.0129		49.1989	49.1989	2.6000e-003		49.2534

3.38 Demoblization (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.38 Demoblization (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.38 Demoblization (2015) - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.38 Demoblization (2015) - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000
Total					0.0410	0.0000	0.0410	0.0101	0.0000	0.0101			0.0000			0.0000

3.39 Plant Maintenance: water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.0307	12.1386	5.4600	0.0132		0.4637	0.4637		0.4266	0.4266		1,382.8799	1,382.8799	0.4129		1,391.5497
Total	1.0307	12.1386	5.4600	0.0132	0.0000	0.4637	0.4637	0.0000	0.4266	0.4266		1,382.8799	1,382.8799	0.4129		1,391.5497

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.39 Plant Maintenance: water truck (2015) - 2015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,382.8799	1,382.8799	0.4129		1,391.5497
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,382.8799	1,382.8799	0.4129		1,391.5497

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014
Total	8.9000e-003	0.0104	0.1218	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.4000e-004	5.1400e-003		19.6795	19.6795	1.0400e-003		19.7014

3.39 Plant Maintenance: water truck (2015) - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9419	10.8519	5.0540	0.0132		0.4094	0.4094		0.3767	0.3767		1,366.8445	1,366.8445	0.4123		1,375.5026
Total	0.9419	10.8519	5.0540	0.0132	0.0000	0.4094	0.4094	0.0000	0.3767	0.3767		1,366.8445	1,366.8445	0.4123		1,375.5026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207
Total	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207

3.39 Plant Maintenance: water truck (2015) - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,366.8445	1,366.8445	0.4123		1,375.5026
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,366.8445	1,366.8445	0.4123		1,375.5026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207
Total	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207

3.40 Plant Maintenance: water truck (2016) - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9419	10.8519	5.0540	0.0132		0.4094	0.4094		0.3767	0.3767		1,366.8445	1,366.8445	0.4123		1,375.5026
Total	0.9419	10.8519	5.0540	0.0132	0.0000	0.4094	0.4094	0.0000	0.3767	0.3767		1,366.8445	1,366.8445	0.4123		1,375.5026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207
Total	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207

3.40 Plant Maintenance: water truck (2016) - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,366.8445	1,366.8445	0.4123		1,375.5026
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,366.8445	1,366.8445	0.4123		1,375.5026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207
Total	8.0300e-003	9.3300e-003	0.1094	2.3000e-004	0.0189	1.5000e-004	0.0190	5.0000e-003	1.3000e-004	5.1400e-003		19.0009	19.0009	9.5000e-004		19.0207

3.41 Plant Maintenance: water truck (2017) - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8720	9.8344	4.6854	0.0132		0.3651	0.3651		0.3359	0.3359		1,344.2625	1,344.2625	0.4119		1,352.9119
Total	0.8720	9.8344	4.6854	0.0132	0.0000	0.3651	0.3651	0.0000	0.3359	0.3359		1,344.2625	1,344.2625	0.4119		1,352.9119

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2200e-003	8.3700e-003	0.0982	2.3000e-004	0.0189	1.4000e-004	0.0190	5.0000e-003	1.3000e-004	5.1300e-003		18.2764	18.2764	8.6000e-004		18.2945
Total	7.2200e-003	8.3700e-003	0.0982	2.3000e-004	0.0189	1.4000e-004	0.0190	5.0000e-003	1.3000e-004	5.1300e-003		18.2764	18.2764	8.6000e-004		18.2945

3.41 Plant Maintenance: water truck (2017) - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,344.2625	1,344.2625	0.4119		1,352.9119
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,344.2625	1,344.2625	0.4119		1,352.9119

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2200e-003	8.3700e-003	0.0982	2.3000e-004	0.0189	1.4000e-004	0.0190	5.0000e-003	1.3000e-004	5.1300e-003		18.2764	18.2764	8.6000e-004		18.2945
Total	7.2200e-003	8.3700e-003	0.0982	2.3000e-004	0.0189	1.4000e-004	0.0190	5.0000e-003	1.3000e-004	5.1300e-003		18.2764	18.2764	8.6000e-004		18.2945

3.42 Plant Maintenance: water truck (2018) - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7695	8.2836	4.1808	0.0132		0.3024	0.3024		0.2782	0.2782		1,323.001 1	1,323.001 1	0.4119		1,331.650 3
Total	0.7695	8.2836	4.1808	0.0132	0.0000	0.3024	0.3024	0.0000	0.2782	0.2782		1,323.001 1	1,323.001 1	0.4119		1,331.650 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.5200e-003	7.5300e-003	0.0884	2.3000e-004	0.0189	1.3000e-004	0.0190	5.0000e-003	1.2000e-004	5.1300e-003		17.5973	17.5973	7.9000e-004		17.6140
Total	6.5200e-003	7.5300e-003	0.0884	2.3000e-004	0.0189	1.3000e-004	0.0190	5.0000e-003	1.2000e-004	5.1300e-003		17.5973	17.5973	7.9000e-004		17.6140

3.42 Plant Maintenance: water truck (2018) - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1609	0.6970	5.8978	0.0132		0.0215	0.0215		0.0215	0.0215	0.0000	1,323.001 1	1,323.001 1	0.4119		1,331.650 3
Total	0.1609	0.6970	5.8978	0.0132	0.0000	0.0215	0.0215	0.0000	0.0215	0.0215	0.0000	1,323.001 1	1,323.001 1	0.4119		1,331.650 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	6.5200e-003	7.5300e-003	0.0884	2.3000e-004	0.0189	1.3000e-004	0.0190	5.0000e-003	1.2000e-004	5.1300e-003		17.5973	17.5973	7.9000e-004		17.6140
Total	6.5200e-003	7.5300e-003	0.0884	2.3000e-004	0.0189	1.3000e-004	0.0190	5.0000e-003	1.2000e-004	5.1300e-003		17.5973	17.5973	7.9000e-004		17.6140

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Recreational	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058138	0.185246	0.125281	0.029961	0.004506	0.012317	0.020953	0.001764	0.001280	0.005920	0.000536	0.001765

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Upper Gaudalupe River Reach 12 Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	0.00	User Defined Unit	9.20	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2014
Utility Company	User Defined				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - No utilities selected. Project is neither commercial or residential

Land Use - Work is in riverine system. Thus land use is user defined. Total clearing & grubbing area 9.2 acres; land not contiguous.

Construction Phase - Earthwork split between 2014 and 2015: 210 days total/24 days in 2014. 24/210 ~10% user days in 2014. Equipment use in 2014 is 10% of estimated use.

On-road emissions entered as separate phases for ease of editing.

Off-road Equipment - see notes

Off-road Equipment - zz

Off-road Equipment - See notes. "Other General Industrial Equipment" substituted for chippers.

Off-road Equipment - See notes.

Off-road Equipment - See notes.

Off-road Equipment -

Off-road Equipment - See notes.

Off-road Equipment - See notes.
Off-road Equipment - See notes.
Off-road Equipment - See notes.
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Off-road Equipment - See notes.

Off-road Equipment - See notes.

Off-road Equipment - See notes.

Off-road Equipment - see notes

Trips and VMT - See notes.

On-road Fugitive Dust -

Grading - rough clearing. Loader unlikely to make multiple passes

Energy Use -

Construction Off-road Equipment Mitigation - zz

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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tblConstructionPhase	PhaseEndDate	6/2/2015	6/1/2015
tblConstructionPhase	PhaseEndDate	6/24/2015	6/23/2015
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tblConstructionPhase	PhaseEndDate	1/21/2015	11/24/2014

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tblConstructionPhase	PhaseStartDate	5/30/2015	5/26/2015
tblConstructionPhase	PhaseStartDate	6/16/2015	6/1/2015

tblConstructionPhase	PhaseStartDate	7/22/2014	8/12/2014
tblConstructionPhase	PhaseStartDate	6/2/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	6/2/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	6/24/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	6/2/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	6/10/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	7/16/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	6/13/2015	6/1/2015
tblConstructionPhase	PhaseStartDate	9/13/2014	6/1/2015
tblConstructionPhase	PhaseStartDate	9/26/2015	9/15/2015
tblConstructionPhase	PhaseStartDate	9/16/2015	9/15/2015
tblConstructionPhase	PhaseStartDate	10/9/2014	8/12/2014
tblConstructionPhase	PhaseStartDate	12/17/2015	9/15/2015
tblConstructionPhase	PhaseStartDate	9/22/2015	10/13/2015
tblConstructionPhase	PhaseStartDate	10/22/2015	10/13/2015
tblConstructionPhase	PhaseStartDate	10/16/2015	10/13/2015
tblConstructionPhase	PhaseStartDate	11/4/2015	10/13/2015
tblConstructionPhase	PhaseStartDate	11/13/2015	10/13/2015
tblConstructionPhase	PhaseStartDate	12/27/2014	10/30/2015
tblConstructionPhase	PhaseStartDate	10/31/2015	12/31/2015
tblConstructionPhase	PhaseStartDate	1/16/2016	12/31/2015
tblConstructionPhase	PhaseStartDate	2/2/2016	8/17/2016
tblConstructionPhase	PhaseStartDate	11/25/2014	8/29/2014
tblConstructionPhase	PhaseStartDate	9/22/2016	3/1/2017
tblConstructionPhase	PhaseStartDate	4/7/2017	3/2/2018
tblConstructionPhase	PhaseStartDate	9/3/2014	9/23/2014
tblConstructionPhase	PhaseStartDate	11/20/2014	9/23/2014
tblConstructionPhase	PhaseStartDate	10/11/2014	11/25/2014

tblConstructionPhase	PhaseStartDate	12/3/2014	11/25/2014
tblConstructionPhase	PhaseStartDate	12/15/2015	11/25/2014
tblGrading	AcresOfGrading	5.00	3.75
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	AcresOfGrading	11.50	8.63
tblGrading	AcresOfGrading	0.00	20.00
tblLandUse	LotAcreage	0.00	9.20
tblOffRoadEquipment	HorsePower	199.00	255.00
tblOffRoadEquipment	HorsePower	162.00	255.00
tblOffRoadEquipment	HorsePower	199.00	97.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.40
tblOffRoadEquipment	LoadFactor	0.36	0.37
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Other General Industrial Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	PhaseName		Clearing: loader (2014)
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	668.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,000.00
tblTripsAndVMT	HaulingTripNumber	0.00	957.00

tblTripsAndVMT	HaulingTripNumber	0.00	431.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	8.00	3.00
tblTripsAndVMT	WorkerTripNumber	8.00	3.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	5.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	5.00
tblTripsAndVMT	WorkerTripNumber	3.00	6.00
tblTripsAndVMT	WorkerTripNumber	10.00	5.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	2.00

2.0 Emissions Summary

2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2014	0.0901	0.9815	0.6056	8.5000e-004	0.2797	0.0482	0.3280	0.1345	0.0444	0.1789	0.0000	80.6966	80.6966	0.0228	0.0000	81.1762
2015	0.1315	1.4906	0.7723	1.1800e-003	0.2392	0.0689	0.3081	0.1228	0.0634	0.1862	0.0000	111.7642	111.7642	0.0324	0.0000	112.4435
2016	0.0228	0.2607	0.1237	3.2000e-004	6.5000e-004	9.8300e-003	0.0105	1.7000e-004	9.0400e-003	9.2100e-003	0.0000	30.1446	30.1446	9.0000e-003	0.0000	30.3335
2017	0.0119	0.1329	0.0645	1.8000e-004	2.5000e-004	4.9300e-003	5.1800e-003	7.0000e-005	4.5400e-003	4.6000e-003	0.0000	16.6715	16.6715	5.0500e-003	0.0000	16.7777
2018	0.0109	0.1161	0.0597	1.9000e-004	2.5000e-004	4.2300e-003	4.4900e-003	7.0000e-005	3.9000e-003	3.9600e-003	0.0000	17.0109	17.0109	5.2400e-003	0.0000	17.1210
Total	0.2671	2.9817	1.6257	2.7200e-003	0.5201	0.1361	0.6562	0.2577	0.1253	0.3829	0.0000	256.2878	256.2878	0.0745	0.0000	257.8519

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Mobilization	Site Preparation	7/1/2014	7/21/2014	5	15	
2	Clearing: loader (2014)	Site Preparation	8/12/2014	10/8/2014	5	42	

3	Clearing & Grubbing*: export fill (2014)	Site Preparation	8/12/2014	11/24/2014	5	75
4	Earthwork: dozer (3 days in 2014)	Site Preparation	8/29/2014	9/2/2014	5	3
5	Grubbing: dozer (2014)	Site Preparation	9/23/2014	11/19/2014	5	42
6	Grubbing: loader & excavator (2014)	Site Preparation	9/23/2014	10/10/2014	5	14
7	Earthwork: water truck (2014)	Site Preparation	11/25/2014	12/2/2014	5	6
8	Earthwork*: export fill (2015)	Site Preparation	11/25/2014	12/14/2015	5	275
9	Earthwork*: import fill (2015)	Site Preparation	11/25/2014	12/14/2015	5	275
10	Earthwork: excavator (2015)	Site Preparation	1/1/2015	1/26/2015	5	18
11	Earthwork: dozer (29 days in 2015)	Site Preparation	1/1/2015	2/9/2015	5	28
12	Earthwork: crane, roller, water truck (2015)	Site Preparation	1/15/2015	1/26/2015	5	8
13	Earthwork: grader, roller, stabilizer (2015)	Site Preparation	1/15/2015	1/19/2015	5	3
14	Raise Berm: dozer (2015)	Site Preparation	5/26/2015	6/22/2015	5	20
15	Raise Berm: stabilizer & grader (2015)	Site Preparation	5/26/2015	6/8/2015	5	10
16	Raise Berm: roller (2015)	Site Preparation	5/26/2015	6/17/2015	5	17
17	Raise Berm: excavator (2015)	Site Preparation	5/26/2015	5/29/2015	5	4
18	Raise Berm: water truck (2015)	Site Preparation	5/26/2015	6/15/2015	5	15
19	Debris Jams: excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
20	Stream Barb: crane & excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
21	Rootwad: crane (2015)	Site Preparation	6/1/2015	6/23/2015	5	17
22	Roodwad: excavator (2015)	Site Preparation	6/1/2015	6/1/2015	5	1
23	undercut bank: excavator & crane (2015)	Site Preparation	6/1/2015	6/9/2015	5	7
24	Debris Jams: crane (2015)	Site Preparation	6/1/2015	7/15/2015	5	33
25	Divert Water: loader (2015)	Site Preparation	6/1/2015	6/12/2015	5	10
26	Gravel: dozer, stablizer, rollr, water trk. (2015)	Site Preparation	6/1/2015	9/12/2014	5	10
27	Gravel*: import fill (2015)	Site Preparation	6/1/2015	9/25/2015	5	85
28	Irrigation: loader & crane	Site Preparation	9/15/2015	9/15/2015	5	1

29	Planting: loader (2015)	Site Preparation	9/15/2015	12/16/2015	5	67
30	chain link fence: loader (2015)	Site Preparation	9/15/2015	9/21/2015	5	5
31	ramps: excavator (2015)	Site Preparation	10/13/2015	10/21/2015	5	7
32	ramps: dozer (2015)	Site Preparation	10/13/2015	10/15/2015	5	3
33	ramps: stabilizer (2015)	Site Preparation	10/13/2015	11/3/2015	5	16
34	ramps: grader (2015)	Site Preparation	10/13/2015	11/12/2015	5	23
35	ramps: roller (2015)	Site Preparation	10/13/2015	12/26/2014	5	10
36	Underpass: excavator & crane (2015)	Site Preparation	10/30/2015	10/30/2015	5	1
37	Demoblization (2015)	Site Preparation	12/31/2015	1/15/2016	5	12
38	Plant Maintenance: water truck (2015)	Site Preparation	12/31/2015	2/1/2016	5	23
39	Plant Maintenance: water truck (2016)	Site Preparation	8/17/2016	9/21/2016	5	26
40	Plant Maintenance: water truck (2017)	Site Preparation	3/1/2017	4/6/2017	5	27
41	Plant Maintenance: water truck (2018)	Site Preparation	3/2/2018	4/10/2018	5	28

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Clearing: loader (2014)	Rubber Tired Loaders	2	8.00	255	0.40
Earthwork: dozer (3 days in 2014)	Rubber Tired Dozers	1	8.00	255	0.40
Grubbing: dozer (2014)	Rubber Tired Dozers	1	8.00	255	0.40
Grubbing: loader & excavator (2014)	Excavators	1	8.00	255	0.40
Grubbing: loader & excavator (2014)	Rubber Tired Loaders	1	8.00	97	0.37

Earthwork: water truck (2014)	Off-Highway Trucks	1	8.00	400	0.38
Earthwork: excavator (2015)	Excavators	1	8.00	162	0.38
Earthwork: dozer (29 days in 2015)	Rubber Tired Dozers	1	8.00	255	0.40
Earthwork: crane, roller, water truck (2015)	Cranes	1	8.00	226	0.29
Earthwork: crane, roller, water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Earthwork: crane, roller, water truck (2015)	Rollers	1	8.00	80	0.38
Earthwork: grader, roller, stabilizer (2015)	Graders	1	8.00	174	0.41
Earthwork: grader, roller, stabilizer (2015)	Rollers	1	8.00	80	0.38
Earthwork: grader, roller, stabilizer (2015)	Rubber Tired Loaders	1	8.00	199	0.36
Raise Berm: dozer (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Raise Berm: stabilizer & grader (2015)	Graders	1	8.00	174	0.41
Raise Berm: stabilizer & grader (2015)	Rollers	1	8.00	80	0.38
Raise Berm: roller (2015)	Rollers	1	8.00	80	0.38
Raise Berm: excavator (2015)	Excavators	1	8.00	162	0.38
Raise Berm: water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Debris Jams: excavator (2015)	Excavators	1	8.00	162	0.38
Stream Barb: crane & excavator (2015)	Cranes	1	8.00	226	0.29
Stream Barb: crane & excavator (2015)	Excavators	1	8.00	162	0.38
Rootwad: crane (2015)	Cranes	1	8.00	226	0.29
Roodwad: excavator (2015)	Excavators	1	8.00	162	0.38
undercut bank: excavator & crane (2015)	Cranes	1	8.00	226	0.29
undercut bank: excavator & crane (2015)	Excavators	1	8.00	162	0.38
Debris Jams: crane (2015)	Cranes	1	8.00	226	0.29
Divert Water: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
Gravel: dozer, stablizer, rollr, water trk. (2015)	Off-Highway Trucks	1	8.00	400	0.38
Gravel: dozer, stablizer, rollr, water trk. (2015)	Rollers	2	8.00	80	0.38

Gravel: dozer, stabilizer, roller, water truck (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Irrigation: loader & crane	Cranes	1	8.00	226	0.29
Irrigation: loader & crane	Rubber Tired Loaders	1	8.00	199	0.36
Planting: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
chain link fence: loader (2015)	Rubber Tired Loaders	1	8.00	199	0.36
ramps: excavator (2015)	Excavators	1	8.00	162	0.38
ramps: dozer (2015)	Rubber Tired Dozers	1	8.00	255	0.40
ramps: stabilizer (2015)	Rollers	1	8.00	80	0.38
ramps: grader (2015)	Graders	1	8.00	174	0.41
ramps: roller (2015)	Rubber Tired Dozers	1	8.00	255	0.40
Underpass: excavator & crane (2015)	Cranes	1	8.00	226	0.29
Underpass: excavator & crane (2015)	Excavators	1	8.00	162	0.38
Plant Maintenance: water truck (2015)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2016)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2017)	Off-Highway Trucks	1	8.00	400	0.38
Plant Maintenance: water truck (2018)	Off-Highway Trucks	1	8.00	400	0.38
Clearing: loader (2014)	Other General Industrial Equipment	2	8.00	87	0.34

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Mobilization	0	5.00	0.00	0.00	12.40	7.30				
Clearing: loader (2014)	1	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: dozer (3 days in 2014)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grubbing: dozer (2014)	1	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grubbing: loader & excavator (2014)	2	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: water truck (2014)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Earthwork: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: dozer (29 days in 2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: crane, roller, water truck (2015)	3	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Earthwork: grader, roller, stabilizer (2015)	3	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: dozer (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: dozer (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: stabilizer & grader (2015)	2	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: roller (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Raise Berm: water truck (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Debris Jams: excavator (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Stream Barb: crane & excavator (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Rootwad: crane (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Roodwad: excavator (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
undercut bank: excavator & crane (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Debris Jams: crane (2015)	1	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Divert Water: loader (2015)	1	6.00	0.00	1.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Gravel: dozer, stabilizer, roller, water truck (2015)	4	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Irrigation: loader & crane	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Planting: loader (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
chain link fence: loader (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: excavator (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: dozer (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: stabilizer (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: grader (2015)	1	2.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
ramps: roller (2015)	1	3.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Underpass: excavator & crane (2015)	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Gravel*: import fill (2015)	0			668.00	12.40	7.30	20.00			

3.2 Mobilization - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker					3.0000e-004	0.0000	3.0000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					3.0000e-004	0.0000	3.0000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Clearing: loader (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1009	0.0000	0.1009	0.0508	0.0000	0.0508	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0492	0.5405	0.2719	4.7000e-004		0.0274	0.0274		0.0252	0.0252	0.0000	45.4055	45.4055	0.0134	0.0000	45.6873
Total	0.0492	0.5405	0.2719	4.7000e-004	0.1009	0.0274	0.1284	0.0508	0.0252	0.0760	0.0000	45.4055	45.4055	0.0134	0.0000	45.6873

3.3 Clearing: loader (2014) - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067
Total	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0454	0.0000	0.0454	0.0229	0.0000	0.0229	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0461	0.4481	0.6114	4.7000e-004		0.0208	0.0208		0.0198	0.0198	0.0000	45.4054	45.4054	0.0134	0.0000	45.6872
Total	0.0461	0.4481	0.6114	4.7000e-004	0.0454	0.0208	0.0662	0.0229	0.0198	0.0427	0.0000	45.4054	45.4054	0.0134	0.0000	45.6872

3.4 Clearing & Grubbing*: export fill (2014) - 2014**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					0.0190	0.0000	0.0190	4.6700e-003	0.0000	4.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					0.0190	0.0000	0.0190	4.6700e-003	0.0000	4.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Earthwork: dozer (3 days in 2014) - 2014**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0300e-003	0.0000	9.0300e-003	4.9700e-003	0.0000	4.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0217	0.0166	1.0000e-005		1.0100e-003	1.0100e-003		9.3000e-004	9.3000e-004	0.0000	1.2844	1.2844	3.8000e-004	0.0000	1.2924
Total	1.9100e-003	0.0217	0.0166	1.0000e-005	9.0300e-003	1.0100e-003	0.0100	4.9700e-003	9.3000e-004	5.9000e-003	0.0000	1.2844	1.2844	3.8000e-004	0.0000	1.2924

3.5 Earthwork: dozer (3 days in 2014) - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.9000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0258	0.0258	0.0000	0.0000	0.0258
Total	1.0000e-005	2.0000e-005	1.9000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0258	0.0258	0.0000	0.0000	0.0258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0600e-003	0.0000	4.0600e-003	2.2300e-003	0.0000	2.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-004	7.0000e-004	5.9400e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2844	1.2844	3.8000e-004	0.0000	1.2924
Total	1.6000e-004	7.0000e-004	5.9400e-003	1.0000e-005	4.0600e-003	2.0000e-005	4.0800e-003	2.2300e-003	2.0000e-005	2.2500e-003	0.0000	1.2844	1.2844	3.8000e-004	0.0000	1.2924

3.5 Earthwork: dozer (3 days in 2014) - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.9000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0258	0.0258	0.0000	0.0000	0.0258
Total	1.0000e-005	2.0000e-005	1.9000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0258	0.0258	0.0000	0.0000	0.0258

3.6 Grubbing: dozer (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1371	0.0000	0.1371	0.0707	0.0000	0.0707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.3044	0.2329	1.9000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	17.9817	17.9817	5.3100e-003	0.0000	18.0933
Total	0.0267	0.3044	0.2329	1.9000e-004	0.1371	0.0142	0.1513	0.0707	0.0131	0.0837	0.0000	17.9817	17.9817	5.3100e-003	0.0000	18.0933

3.6 Grubbing: dozer (2014) - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067
Total	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0617	0.0000	0.0617	0.0318	0.0000	0.0318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2700e-003	9.8200e-003	0.0831	1.9000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	17.9817	17.9817	5.3100e-003	0.0000	18.0933
Total	2.2700e-003	9.8200e-003	0.0831	1.9000e-004	0.0617	3.0000e-004	0.0620	0.0318	3.0000e-004	0.0321	0.0000	17.9817	17.9817	5.3100e-003	0.0000	18.0933

3.6 Grubbing: dozer (2014) - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067
Total	9.7000e-004	1.3800e-003	0.0134	2.0000e-005	1.9100e-003	2.0000e-005	1.9300e-003	5.1000e-004	2.0000e-005	5.2000e-004	0.0000	1.8044	1.8044	1.1000e-004	0.0000	1.8067

3.7 Grubbing: loader & excavator (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7800e-003	0.0738	0.0356	8.0000e-005		4.1000e-003	4.1000e-003		3.7700e-003	3.7700e-003	0.0000	7.9359	7.9359	2.3500e-003	0.0000	7.9851
Total	6.7800e-003	0.0738	0.0356	8.0000e-005	0.0000	4.1000e-003	4.1000e-003	0.0000	3.7700e-003	3.7700e-003	0.0000	7.9359	7.9359	2.3500e-003	0.0000	7.9851

3.7 Grubbing: loader & excavator (2014) - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.6000e-004	4.4600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.6015	0.6015	4.0000e-005	0.0000	0.6022
Total	3.2000e-004	4.6000e-004	4.4600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.6015	0.6015	4.0000e-005	0.0000	0.6022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0300e-003	0.0323	0.0583	8.0000e-005		2.5500e-003	2.5500e-003		2.5500e-003	2.5500e-003	0.0000	7.9359	7.9359	2.3500e-003	0.0000	7.9851
Total	6.0300e-003	0.0323	0.0583	8.0000e-005	0.0000	2.5500e-003	2.5500e-003	0.0000	2.5500e-003	2.5500e-003	0.0000	7.9359	7.9359	2.3500e-003	0.0000	7.9851

3.7 Grubbing: loader & excavator (2014) - 2014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.6000e-004	4.4600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.6015	0.6015	4.0000e-005	0.0000	0.6022
Total	3.2000e-004	4.6000e-004	4.4600e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.7000e-004	0.0000	0.6015	0.6015	4.0000e-005	0.0000	0.6022

3.8 Earthwork: water truck (2014) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0377	0.0167	4.0000e-005		1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003	0.0000	3.8016	3.8016	1.1200e-003	0.0000	3.8252
Total	3.1600e-003	0.0377	0.0167	4.0000e-005	0.0000	1.4400e-003	1.4400e-003	0.0000	1.3300e-003	1.3300e-003	0.0000	3.8016	3.8016	1.1200e-003	0.0000	3.8252

3.8 Earthwork: water truck (2014) - 2014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0516	0.0516	0.0000	0.0000	0.0516
Total	3.0000e-005	4.0000e-005	3.8000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0516	0.0516	0.0000	0.0000	0.0516

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	2.0900e-003	0.0177	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.8016	3.8016	1.1200e-003	0.0000	3.8252
Total	4.8000e-004	2.0900e-003	0.0177	4.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	3.8016	3.8016	1.1200e-003	0.0000	3.8252

3.10 Earthwork*: import fill (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					2.7400e-003	0.0000	2.7400e-003	6.7000e-004	0.0000	6.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					2.7400e-003	0.0000	2.7400e-003	6.7000e-004	0.0000	6.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.11 Earthwork: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7500e-003	0.0438	0.0310	5.0000e-005		2.1600e-003	2.1600e-003		1.9900e-003	1.9900e-003	0.0000	4.5359	4.5359	1.3500e-003	0.0000	4.5644
Total	3.7500e-003	0.0438	0.0310	5.0000e-005	0.0000	2.1600e-003	2.1600e-003	0.0000	1.9900e-003	1.9900e-003	0.0000	4.5359	4.5359	1.3500e-003	0.0000	4.5644

3.11 Earthwork: excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.1000e-004	1.0200e-003	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1496	0.1496	1.0000e-005	0.0000	0.1498
Total	7.0000e-005	1.1000e-004	1.0200e-003	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1496	0.1496	1.0000e-005	0.0000	0.1498

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	2.5400e-003	0.0362	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.5359	4.5359	1.3500e-003	0.0000	4.5644
Total	5.9000e-004	2.5400e-003	0.0362	5.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	4.5359	4.5359	1.3500e-003	0.0000	4.5644

3.11 Earthwork: excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.1000e-004	1.0200e-003	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1496	0.1496	1.0000e-005	0.0000	0.1498
Total	7.0000e-005	1.1000e-004	1.0200e-003	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1496	0.1496	1.0000e-005	0.0000	0.1498

3.12 Earthwork: dozer (29 days in 2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.2014	0.1537	1.2000e-004		9.4000e-003	9.4000e-003		8.6500e-003	8.6500e-003	0.0000	11.8615	11.8615	3.5400e-003	0.0000	11.9358
Total	0.0178	0.2014	0.1537	1.2000e-004	0.0843	9.4000e-003	0.0937	0.0463	8.6500e-003	0.0550	0.0000	11.8615	11.8615	3.5400e-003	0.0000	11.9358

3.12 Earthwork: dozer (29 days in 2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.3900e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3490	0.3490	2.0000e-005	0.0000	0.3494
Total	1.7000e-004	2.5000e-004	2.3900e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3490	0.3490	2.0000e-005	0.0000	0.3494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0379	0.0000	0.0379	0.0209	0.0000	0.0209	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5100e-003	6.5500e-003	0.0554	1.2000e-004		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	11.8615	11.8615	3.5400e-003	0.0000	11.9358
Total	1.5100e-003	6.5500e-003	0.0554	1.2000e-004	0.0379	2.0000e-004	0.0381	0.0209	2.0000e-004	0.0211	0.0000	11.8615	11.8615	3.5400e-003	0.0000	11.9358

3.12 Earthwork: dozer (29 days in 2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.3900e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3490	0.3490	2.0000e-005	0.0000	0.3494
Total	1.7000e-004	2.5000e-004	2.3900e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3490	0.3490	2.0000e-005	0.0000	0.3494

3.13 Earthwork: crane, roller, water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5600e-003	0.0972	0.0423	9.0000e-005		4.4700e-003	4.4700e-003		4.1100e-003	4.1100e-003	0.0000	8.1667	8.1667	2.4400e-003	0.0000	8.2179
Total	8.5600e-003	0.0972	0.0423	9.0000e-005	0.0000	4.4700e-003	4.4700e-003	0.0000	4.1100e-003	4.1100e-003	0.0000	8.1667	8.1667	2.4400e-003	0.0000	8.2179

3.13 Earthwork: crane, roller, water truck (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	7.0000e-005	6.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	1.0000e-005	0.0000	0.0998
Total	5.0000e-005	7.0000e-005	6.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	1.0000e-005	0.0000	0.0998

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	4.5500e-003	0.0417	9.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	8.1667	8.1667	2.4400e-003	0.0000	8.2179
Total	1.0500e-003	4.5500e-003	0.0417	9.0000e-005	0.0000	1.4000e-004	1.4000e-004	0.0000	1.4000e-004	1.4000e-004	0.0000	8.1667	8.1667	2.4400e-003	0.0000	8.2179

3.13 Earthwork: crane, roller, water truck (2015) - 2015**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	7.0000e-005	6.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	1.0000e-005	0.0000	0.0998
Total	5.0000e-005	7.0000e-005	6.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	1.0000e-005	0.0000	0.0998

3.14 Earthwork: grader, roller, stabilizer (2015) - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9100e-003	0.0315	0.0133	2.0000e-005		1.6400e-003	1.6400e-003		1.5100e-003	1.5100e-003	0.0000	2.1438	2.1438	6.4000e-004	0.0000	2.1572
Total	2.9100e-003	0.0315	0.0133	2.0000e-005	8.0000e-004	1.6400e-003	2.4400e-003	9.0000e-005	1.5100e-003	1.6000e-003	0.0000	2.1438	2.1438	6.4000e-004	0.0000	2.1572

3.14 Earthwork: grader, roller, stabilizer (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374
Total	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.8000e-004	0.0119	0.0230	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	2.1438	2.1438	6.4000e-004	0.0000	2.1572
Total	8.8000e-004	0.0119	0.0230	2.0000e-005	3.6000e-004	2.3000e-004	5.9000e-004	4.0000e-005	2.3000e-004	2.7000e-004	0.0000	2.1438	2.1438	6.4000e-004	0.0000	2.1572

3.14 Earthwork: grader, roller, stabilizer (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374
Total	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374

3.15 Raise Berm: dozer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1204	0.0000	0.1204	0.0662	0.0000	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.1439	0.1098	9.0000e-005		6.7100e-003	6.7100e-003		6.1800e-003	6.1800e-003	0.0000	8.4725	8.4725	2.5300e-003	0.0000	8.5256
Total	0.0127	0.1439	0.1098	9.0000e-005	0.1204	6.7100e-003	0.1272	0.0662	6.1800e-003	0.0724	0.0000	8.4725	8.4725	2.5300e-003	0.0000	8.5256

3.15 Raise Berm: dozer (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	2.9000e-004	2.8400e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.4155	0.4155	2.0000e-005	0.0000	0.4160
Total	2.1000e-004	2.9000e-004	2.8400e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.4155	0.4155	2.0000e-005	0.0000	0.4160

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	4.6800e-003	0.0396	9.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	8.4725	8.4725	2.5300e-003	0.0000	8.5256
Total	1.0800e-003	4.6800e-003	0.0396	9.0000e-005	0.0542	1.4000e-004	0.0543	0.0298	1.4000e-004	0.0299	0.0000	8.4725	8.4725	2.5300e-003	0.0000	8.5256

3.15 Raise Berm: dozer (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	2.9000e-004	2.8400e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.4155	0.4155	2.0000e-005	0.0000	0.4160
Total	2.1000e-004	2.9000e-004	2.8400e-003	1.0000e-005	8.5000e-004	0.0000	8.5000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.4155	0.4155	2.0000e-005	0.0000	0.4160

3.16 Raise Berm: stabilizer & grader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9900e-003	0.0000	1.9900e-003	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1400e-003	0.0712	0.0351	4.0000e-005		4.3100e-003	4.3100e-003		3.9600e-003	3.9600e-003	0.0000	4.2293	4.2293	1.2600e-003	0.0000	4.2558
Total	7.1400e-003	0.0712	0.0351	4.0000e-005	1.9900e-003	4.3100e-003	6.3000e-003	2.1000e-004	3.9600e-003	4.1700e-003	0.0000	4.2293	4.2293	1.2600e-003	0.0000	4.2558

3.16 Raise Berm: stabilizer & grader (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0831	0.0831	0.0000	0.0000	0.0832
Total	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0831	0.0831	0.0000	0.0000	0.0832

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.9000e-004	0.0000	8.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	2.3300e-003	0.0332	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.2292	4.2292	1.2600e-003	0.0000	4.2558
Total	5.4000e-004	2.3300e-003	0.0332	4.0000e-005	8.9000e-004	7.0000e-005	9.6000e-004	1.0000e-004	7.0000e-005	1.7000e-004	0.0000	4.2292	4.2292	1.2600e-003	0.0000	4.2558

3.16 Raise Berm: stabilizer & grader (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0831	0.0831	0.0000	0.0000	0.0832
Total	4.0000e-005	6.0000e-005	5.7000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0831	0.0831	0.0000	0.0000	0.0832

3.17 Raise Berm: roller (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1100e-003	0.0286	0.0174	2.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	2.1230	2.1230	6.3000e-004	0.0000	2.1364
Total	3.1100e-003	0.0286	0.0174	2.0000e-005	0.0000	2.1300e-003	2.1300e-003	0.0000	1.9600e-003	1.9600e-003	0.0000	2.1230	2.1230	6.3000e-004	0.0000	2.1364

3.17 Raise Berm: roller (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.0000e-004	9.7000e-004	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1413	0.1413	1.0000e-005	0.0000	0.1414
Total	7.0000e-005	1.0000e-004	9.7000e-004	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1413	0.1413	1.0000e-005	0.0000	0.1414

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.1800e-003	0.0169	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.1230	2.1230	6.3000e-004	0.0000	2.1363
Total	2.7000e-004	1.1800e-003	0.0169	2.0000e-005	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005	0.0000	2.1230	2.1230	6.3000e-004	0.0000	2.1363

3.17 Raise Berm: roller (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.0000e-004	9.7000e-004	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1413	0.1413	1.0000e-005	0.0000	0.1414
Total	7.0000e-005	1.0000e-004	9.7000e-004	0.0000	1.5000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1413	0.1413	1.0000e-005	0.0000	0.1414

3.18 Raise Berm: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	9.7300e-003	6.8800e-003	1.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.0080	1.0080	3.0000e-004	0.0000	1.0143
Total	8.3000e-004	9.7300e-003	6.8800e-003	1.0000e-005	0.0000	4.8000e-004	4.8000e-004	0.0000	4.4000e-004	4.4000e-004	0.0000	1.0080	1.0080	3.0000e-004	0.0000	1.0143

3.18 Raise Berm: excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0332	0.0332	0.0000	0.0000	0.0333
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0332	0.0332	0.0000	0.0000	0.0333

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.6000e-004	8.0300e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0080	1.0080	3.0000e-004	0.0000	1.0143
Total	1.3000e-004	5.6000e-004	8.0300e-003	1.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005	0.0000	1.0080	1.0080	3.0000e-004	0.0000	1.0143

3.18 Raise Berm: excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0332	0.0332	0.0000	0.0000	0.0333
Total	2.0000e-005	2.0000e-005	2.3000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0332	0.0332	0.0000	0.0000	0.0333

3.19 Raise Berm: water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.0910	0.0410	1.0000e-004		3.4800e-003	3.4800e-003		3.2000e-003	3.2000e-003	0.0000	9.4090	9.4090	2.8100e-003	0.0000	9.4680
Total	7.7300e-003	0.0910	0.0410	1.0000e-004	0.0000	3.4800e-003	3.4800e-003	0.0000	3.2000e-003	3.2000e-003	0.0000	9.4090	9.4090	2.8100e-003	0.0000	9.4680

3.19 Raise Berm: water truck (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.5000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	1.0000e-005	0.0000	0.1248
Total	6.0000e-005	9.0000e-005	8.5000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	1.0000e-005	0.0000	0.1248

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	5.2300e-003	0.0442	1.0000e-004		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	9.4090	9.4090	2.8100e-003	0.0000	9.4679
Total	1.2100e-003	5.2300e-003	0.0442	1.0000e-004	0.0000	1.6000e-004	1.6000e-004	0.0000	1.6000e-004	1.6000e-004	0.0000	9.4090	9.4090	2.8100e-003	0.0000	9.4679

3.19 Raise Berm: water truck (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	8.5000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	1.0000e-005	0.0000	0.1248
Total	6.0000e-005	9.0000e-005	8.5000e-004	0.0000	1.4000e-004	0.0000	1.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1247	0.1247	1.0000e-005	0.0000	0.1248

3.20 Debris Jams: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-004	2.4300e-003	1.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536
Total	2.1000e-004	2.4300e-003	1.7200e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1000e-004	1.1000e-004	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536

3.20 Debris Jams: excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0125	0.0125	0.0000	0.0000	0.0125
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0125	0.0125	0.0000	0.0000	0.0125

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-005	1.4000e-004	2.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536
Total	3.0000e-005	1.4000e-004	2.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536

3.20 Debris Jams: excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0125	0.0125	0.0000	0.0000	0.0125
Total	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0125	0.0125	0.0000	0.0000	0.0125

3.21 Stream Barb: crane & excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-004	6.8400e-003	3.2500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.0000e-004	3.0000e-004	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240
Total	5.8000e-004	6.8400e-003	3.2500e-003	1.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.0000e-004	3.0000e-004	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240

3.21 Stream Barb: crane & excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	2.9000e-004	3.2800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240
Total	7.0000e-005	2.9000e-004	3.2800e-003	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240

3.21 Stream Barb: crane & excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208

3.22 Rootwad: crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3100e-003	0.0749	0.0261	5.0000e-005		3.4200e-003	3.4200e-003		3.1500e-003	3.1500e-003	0.0000	4.5677	4.5677	1.3600e-003	0.0000	4.5963
Total	6.3100e-003	0.0749	0.0261	5.0000e-005	0.0000	3.4200e-003	3.4200e-003	0.0000	3.1500e-003	3.1500e-003	0.0000	4.5677	4.5677	1.3600e-003	0.0000	4.5963

3.22 Rootwad: crane (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4500e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2119	0.2119	1.0000e-005	0.0000	0.2122
Total	1.1000e-004	1.5000e-004	1.4500e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2119	0.2119	1.0000e-005	0.0000	0.2122

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	2.5500e-003	0.0216	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.5677	4.5677	1.3600e-003	0.0000	4.5963
Total	5.9000e-004	2.5500e-003	0.0216	5.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	4.5677	4.5677	1.3600e-003	0.0000	4.5963

3.22 Rootwad: crane (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.4500e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2119	0.2119	1.0000e-005	0.0000	0.2122
Total	1.1000e-004	1.5000e-004	1.4500e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2119	0.2119	1.0000e-005	0.0000	0.2122

3.23 Roodwad: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1000e-004	2.4300e-003	1.7200e-003	0.0000		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536
Total	2.1000e-004	2.4300e-003	1.7200e-003	0.0000	0.0000	1.2000e-004	1.2000e-004	0.0000	1.1000e-004	1.1000e-004	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536

3.23 Roadwad: excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003
Total	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-005	1.4000e-004	2.0100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536
Total	3.0000e-005	1.4000e-004	2.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2520	0.2520	8.0000e-005	0.0000	0.2536

3.23 Roadwad: excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003
Total	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003

3.24 undercut bank: excavator & crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0600e-003	0.0479	0.0228	4.0000e-005		2.2500e-003	2.2500e-003		2.0700e-003	2.0700e-003	0.0000	3.6448	3.6448	1.0900e-003	0.0000	3.6676
Total	4.0600e-003	0.0479	0.0228	4.0000e-005	0.0000	2.2500e-003	2.2500e-003	0.0000	2.0700e-003	2.0700e-003	0.0000	3.6448	3.6448	1.0900e-003	0.0000	3.6676

3.24 undercut bank: excavator & crane (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.0000e-004	9.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1454	0.1454	1.0000e-005	0.0000	0.1456
Total	7.0000e-005	1.0000e-004	9.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1454	0.1454	1.0000e-005	0.0000	0.1456

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-004	2.0400e-003	0.0230	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.6448	3.6448	1.0900e-003	0.0000	3.6676
Total	4.7000e-004	2.0400e-003	0.0230	4.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	6.0000e-005	6.0000e-005	0.0000	3.6448	3.6448	1.0900e-003	0.0000	3.6676

3.24 undercut bank: excavator & crane (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	1.0000e-004	9.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1454	0.1454	1.0000e-005	0.0000	0.1456
Total	7.0000e-005	1.0000e-004	9.9000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1454	0.1454	1.0000e-005	0.0000	0.1456

3.25 Debris Jams: crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1454	0.0506	9.0000e-005		6.6400e-003	6.6400e-003		6.1100e-003	6.1100e-003	0.0000	8.8667	8.8667	2.6500e-003	0.0000	8.9223
Total	0.0123	0.1454	0.0506	9.0000e-005	0.0000	6.6400e-003	6.6400e-003	0.0000	6.1100e-003	6.1100e-003	0.0000	8.8667	8.8667	2.6500e-003	0.0000	8.9223

3.25 Debris Jams: crane (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	4.8000e-004	4.6900e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6856	0.6856	4.0000e-005	0.0000	0.6864
Total	3.4000e-004	4.8000e-004	4.6900e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6856	0.6856	4.0000e-005	0.0000	0.6864

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1400e-003	4.9600e-003	0.0420	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.8667	8.8667	2.6500e-003	0.0000	8.9223
Total	1.1400e-003	4.9600e-003	0.0420	9.0000e-005	0.0000	1.5000e-004	1.5000e-004	0.0000	1.5000e-004	1.5000e-004	0.0000	8.8667	8.8667	2.6500e-003	0.0000	8.9223

3.25 Debris Jams: crane (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	4.8000e-004	4.6900e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6856	0.6856	4.0000e-005	0.0000	0.6864
Total	3.4000e-004	4.8000e-004	4.6900e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6856	0.6856	4.0000e-005	0.0000	0.6864

3.26 Divert Water: loader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0339	9.3500e-003	3.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	2.9167	2.9167	8.7000e-004	0.0000	2.9350
Total	2.5600e-003	0.0339	9.3500e-003	3.0000e-005	0.0000	1.1600e-003	1.1600e-003	0.0000	1.0700e-003	1.0700e-003	0.0000	2.9167	2.9167	8.7000e-004	0.0000	2.9350

3.26 Divert Water: loader (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	1.7000e-004	1.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0347	0.0347	0.0000	0.0000	0.0347
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.7100e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2493	0.2493	1.0000e-005	0.0000	0.2496
Total	1.3000e-004	3.5000e-004	1.8300e-003	0.0000	2.8000e-004	0.0000	2.9000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2840	0.2840	1.0000e-005	0.0000	0.2843

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-003	0.0375	0.0436	3.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	2.9167	2.9167	8.7000e-004	0.0000	2.9350
Total	2.4000e-003	0.0375	0.0436	3.0000e-005	0.0000	6.8000e-004	6.8000e-004	0.0000	6.8000e-004	6.8000e-004	0.0000	2.9167	2.9167	8.7000e-004	0.0000	2.9350

3.28 Gravel*: import fill (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					4.2400e-003	0.0000	4.2400e-003	1.0400e-003	0.0000	1.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					4.2400e-003	0.0000	4.2400e-003	1.0400e-003	0.0000	1.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.29 Irrigation: loader & crane - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	7.8000e-003	2.4700e-003	1.0000e-005		3.2000e-004	3.2000e-004		2.9000e-004	2.9000e-004	0.0000	0.5604	0.5604	1.7000e-004	0.0000	0.5639
Total	6.3000e-004	7.8000e-003	2.4700e-003	1.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	2.9000e-004	2.9000e-004	0.0000	0.5604	0.5604	1.7000e-004	0.0000	0.5639

3.29 Irrigation: loader & crane - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	3.9000e-003	5.6300e-003	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.5604	0.5604	1.7000e-004	0.0000	0.5639
Total	2.7000e-004	3.9000e-003	5.6300e-003	1.0000e-005	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005	0.0000	0.5604	0.5604	1.7000e-004	0.0000	0.5639

3.29 Irrigation: loader & crane - 2015**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208

3.30 Planting: loader (2015) - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.2273	0.0626	2.1000e-004		7.7600e-003	7.7600e-003		7.1400e-003	7.1400e-003	0.0000	19.5418	19.5418	5.8300e-003	0.0000	19.6643
Total	0.0172	0.2273	0.0626	2.1000e-004	0.0000	7.7600e-003	7.7600e-003	0.0000	7.1400e-003	7.1400e-003	0.0000	19.5418	19.5418	5.8300e-003	0.0000	19.6643

3.30 Planting: loader (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	5.9000e-004	5.7100e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8351	0.8351	5.0000e-005	0.0000	0.8361
Total	4.2000e-004	5.9000e-004	5.7100e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8351	0.8351	5.0000e-005	0.0000	0.8361

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.2510	0.2921	2.1000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	19.5417	19.5417	5.8300e-003	0.0000	19.6643
Total	0.0161	0.2510	0.2921	2.1000e-004	0.0000	4.5700e-003	4.5700e-003	0.0000	4.5700e-003	4.5700e-003	0.0000	19.5417	19.5417	5.8300e-003	0.0000	19.6643

3.30 Planting: loader (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	5.9000e-004	5.7100e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8351	0.8351	5.0000e-005	0.0000	0.8361
Total	4.2000e-004	5.9000e-004	5.7100e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.2000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8351	0.8351	5.0000e-005	0.0000	0.8361

3.31 chain link fence: loader (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2800e-003	0.0170	4.6700e-003	2.0000e-005		5.8000e-004	5.8000e-004		5.3000e-004	5.3000e-004	0.0000	1.4583	1.4583	4.4000e-004	0.0000	1.4675
Total	1.2800e-003	0.0170	4.6700e-003	2.0000e-005	0.0000	5.8000e-004	5.8000e-004	0.0000	5.3000e-004	5.3000e-004	0.0000	1.4583	1.4583	4.4000e-004	0.0000	1.4675

3.31 chain link fence: loader (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0623	0.0623	0.0000	0.0000	0.0624
Total	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0623	0.0623	0.0000	0.0000	0.0624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2000e-003	0.0187	0.0218	2.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	1.4583	1.4583	4.4000e-004	0.0000	1.4675
Total	1.2000e-003	0.0187	0.0218	2.0000e-005	0.0000	3.4000e-004	3.4000e-004	0.0000	3.4000e-004	3.4000e-004	0.0000	1.4583	1.4583	4.4000e-004	0.0000	1.4675

3.31 chain link fence: loader (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0623	0.0623	0.0000	0.0000	0.0624
Total	3.0000e-005	4.0000e-005	4.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0623	0.0623	0.0000	0.0000	0.0624

3.32 ramps: excavator (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4600e-003	0.0170	0.0120	2.0000e-005		8.4000e-004	8.4000e-004		7.7000e-004	7.7000e-004	0.0000	1.7640	1.7640	5.3000e-004	0.0000	1.7750
Total	1.4600e-003	0.0170	0.0120	2.0000e-005	0.0000	8.4000e-004	8.4000e-004	0.0000	7.7000e-004	7.7000e-004	0.0000	1.7640	1.7640	5.3000e-004	0.0000	1.7750

3.32 ramps: excavator (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0873	0.0873	0.0000	0.0000	0.0874
Total	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0873	0.0873	0.0000	0.0000	0.0874

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-004	9.9000e-004	0.0141	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.7640	1.7640	5.3000e-004	0.0000	1.7750
Total	2.3000e-004	9.9000e-004	0.0141	2.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	1.7640	1.7640	5.3000e-004	0.0000	1.7750

3.32 ramps: excavator (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0873	0.0873	0.0000	0.0000	0.0874
Total	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0873	0.0873	0.0000	0.0000	0.0874

3.33 ramps: dozer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0300e-003	0.0000	9.0300e-003	4.9700e-003	0.0000	4.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0216	0.0165	1.0000e-005		1.0100e-003	1.0100e-003		9.3000e-004	9.3000e-004	0.0000	1.2709	1.2709	3.8000e-004	0.0000	1.2788
Total	1.9100e-003	0.0216	0.0165	1.0000e-005	9.0300e-003	1.0100e-003	0.0100	4.9700e-003	9.3000e-004	5.9000e-003	0.0000	1.2709	1.2709	3.8000e-004	0.0000	1.2788

3.33 ramps: dozer (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374
Total	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0600e-003	0.0000	4.0600e-003	2.2300e-003	0.0000	2.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-004	7.0000e-004	5.9400e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2709	1.2709	3.8000e-004	0.0000	1.2788
Total	1.6000e-004	7.0000e-004	5.9400e-003	1.0000e-005	4.0600e-003	2.0000e-005	4.0800e-003	2.2300e-003	2.0000e-005	2.2500e-003	0.0000	1.2709	1.2709	3.8000e-004	0.0000	1.2788

3.33 ramps: dozer (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374
Total	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0374	0.0374	0.0000	0.0000	0.0374

3.34 ramps: stabilizer (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0269	0.0163	2.0000e-005		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	1.9982	1.9982	6.0000e-004	0.0000	2.0107
Total	2.9300e-003	0.0269	0.0163	2.0000e-005	0.0000	2.0000e-003	2.0000e-003	0.0000	1.8400e-003	1.8400e-003	0.0000	1.9982	1.9982	6.0000e-004	0.0000	2.0107

3.34 ramps: stabilizer (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	9.0000e-005	9.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1330	0.1330	1.0000e-005	0.0000	0.1331
Total	7.0000e-005	9.0000e-005	9.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1330	0.1330	1.0000e-005	0.0000	0.1331

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-004	1.1200e-003	0.0159	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.9982	1.9982	6.0000e-004	0.0000	2.0107
Total	2.6000e-004	1.1200e-003	0.0159	2.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	1.9982	1.9982	6.0000e-004	0.0000	2.0107

3.34 ramps: stabilizer (2015) - 2015**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	9.0000e-005	9.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1330	0.1330	1.0000e-005	0.0000	0.1331
Total	7.0000e-005	9.0000e-005	9.1000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1330	0.1330	1.0000e-005	0.0000	0.1331

3.35 ramps: grader (2015) - 2015**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.5800e-003	0.0000	4.5800e-003	4.9000e-004	0.0000	4.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1250	0.0573	7.0000e-005		7.0300e-003	7.0300e-003		6.4700e-003	6.4700e-003	0.0000	6.8549	6.8549	2.0500e-003	0.0000	6.8979
Total	0.0122	0.1250	0.0573	7.0000e-005	4.5800e-003	7.0300e-003	0.0116	4.9000e-004	6.4700e-003	6.9600e-003	0.0000	6.8549	6.8549	2.0500e-003	0.0000	6.8979

3.35 ramps: grader (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.3000e-004	1.3100e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1914
Total	1.0000e-004	1.3000e-004	1.3100e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1914

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0600e-003	0.0000	2.0600e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	3.7600e-003	0.0535	7.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	6.8549	6.8549	2.0500e-003	0.0000	6.8979
Total	8.7000e-004	3.7600e-003	0.0535	7.0000e-005	2.0600e-003	1.2000e-004	2.1800e-003	2.2000e-004	1.2000e-004	3.4000e-004	0.0000	6.8549	6.8549	2.0500e-003	0.0000	6.8979

3.35 ramps: grader (2015) - 2015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.3000e-004	1.3100e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1914
Total	1.0000e-004	1.3000e-004	1.3100e-003	0.0000	2.1000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1914

3.37 Underpass: excavator & crane (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8000e-004	6.8400e-003	3.2500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.0000e-004	3.0000e-004	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240
Total	5.8000e-004	6.8400e-003	3.2500e-003	1.0000e-005	0.0000	3.2000e-004	3.2000e-004	0.0000	3.0000e-004	3.0000e-004	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240

3.37 Underpass: excavator & crane (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208
Total	1.0000e-005	1.0000e-005	1.4000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0208	0.0208	0.0000	0.0000	0.0208

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	2.9000e-004	3.2800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240
Total	7.0000e-005	2.9000e-004	3.2800e-003	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	0.5207	0.5207	1.6000e-004	0.0000	0.5240

3.38 Demobilization (2015) - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker					2.2000e-004	0.0000	2.2000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total					2.2000e-004	0.0000	2.2000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.39 Plant Maintenance: water truck (2015) - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	6.0700e-003	2.7300e-003	1.0000e-005		2.3000e-004	2.3000e-004		2.1000e-004	2.1000e-004	0.0000	0.6273	0.6273	1.9000e-004	0.0000	0.6312
Total	5.2000e-004	6.0700e-003	2.7300e-003	1.0000e-005	0.0000	2.3000e-004	2.3000e-004	0.0000	2.1000e-004	2.1000e-004	0.0000	0.6273	0.6273	1.9000e-004	0.0000	0.6312

3.39 Plant Maintenance: water truck (2015) - 2015

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003
Total	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-005	3.5000e-004	2.9500e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6273	0.6273	1.9000e-004	0.0000	0.6312
Total	8.0000e-005	3.5000e-004	2.9500e-003	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	0.6273	0.6273	1.9000e-004	0.0000	0.6312

3.39 Plant Maintenance: water truck (2015) - 2015**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003
Total	0.0000	1.0000e-005	6.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	8.3100e-003	8.3100e-003	0.0000	0.0000	8.3200e-003

3.39 Plant Maintenance: water truck (2015) - 2016**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.1194	0.0556	1.4000e-004		4.5000e-003	4.5000e-003		4.1400e-003	4.1400e-003	0.0000	13.6398	13.6398	4.1100e-003	0.0000	13.7262
Total	0.0104	0.1194	0.0556	1.4000e-004	0.0000	4.5000e-003	4.5000e-003	0.0000	4.1400e-003	4.1400e-003	0.0000	13.6398	13.6398	4.1100e-003	0.0000	13.7262

3.39 Plant Maintenance: water truck (2015) - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.1200e-003	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1765	0.1765	1.0000e-005	0.0000	0.1767
Total	8.0000e-005	1.2000e-004	1.1200e-003	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1765	0.1765	1.0000e-005	0.0000	0.1767

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7700e-003	7.6700e-003	0.0649	1.4000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	13.6398	13.6398	4.1100e-003	0.0000	13.7262
Total	1.7700e-003	7.6700e-003	0.0649	1.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	2.4000e-004	2.4000e-004	0.0000	13.6398	13.6398	4.1100e-003	0.0000	13.7262

3.39 Plant Maintenance: water truck (2015) - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.1200e-003	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1765	0.1765	1.0000e-005	0.0000	0.1767
Total	8.0000e-005	1.2000e-004	1.1200e-003	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1765	0.1765	1.0000e-005	0.0000	0.1767

3.40 Plant Maintenance: water truck (2016) - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1411	0.0657	1.7000e-004		5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003	0.0000	16.1198	16.1198	4.8600e-003	0.0000	16.2219
Total	0.0123	0.1411	0.0657	1.7000e-004	0.0000	5.3200e-003	5.3200e-003	0.0000	4.9000e-003	4.9000e-003	0.0000	16.1198	16.1198	4.8600e-003	0.0000	16.2219

3.40 Plant Maintenance: water truck (2016) - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.4000e-004	1.3200e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2086	0.2086	1.0000e-005	0.0000	0.2088
Total	1.0000e-004	1.4000e-004	1.3200e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2086	0.2086	1.0000e-005	0.0000	0.2088

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0900e-003	9.0600e-003	0.0767	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	16.1197	16.1197	4.8600e-003	0.0000	16.2218
Total	2.0900e-003	9.0600e-003	0.0767	1.7000e-004	0.0000	2.8000e-004	2.8000e-004	0.0000	2.8000e-004	2.8000e-004	0.0000	16.1197	16.1197	4.8600e-003	0.0000	16.2218

3.40 Plant Maintenance: water truck (2016) - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.4000e-004	1.3200e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2086	0.2086	1.0000e-005	0.0000	0.2088
Total	1.0000e-004	1.4000e-004	1.3200e-003	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2086	0.2086	1.0000e-005	0.0000	0.2088

3.41 Plant Maintenance: water truck (2017) - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.1328	0.0633	1.8000e-004		4.9300e-003	4.9300e-003		4.5300e-003	4.5300e-003	0.0000	16.4632	16.4632	5.0400e-003	0.0000	16.5691
Total	0.0118	0.1328	0.0633	1.8000e-004	0.0000	4.9300e-003	4.9300e-003	0.0000	4.5300e-003	4.5300e-003	0.0000	16.4632	16.4632	5.0400e-003	0.0000	16.5691

3.41 Plant Maintenance: water truck (2017) - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.3000e-004	1.2300e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2083	0.2083	1.0000e-005	0.0000	0.2085
Total	9.0000e-005	1.3000e-004	1.2300e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2083	0.2083	1.0000e-005	0.0000	0.2085

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1700e-003	9.4100e-003	0.0796	1.8000e-004		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	16.4632	16.4632	5.0400e-003	0.0000	16.5691
Total	2.1700e-003	9.4100e-003	0.0796	1.8000e-004	0.0000	2.9000e-004	2.9000e-004	0.0000	2.9000e-004	2.9000e-004	0.0000	16.4632	16.4632	5.0400e-003	0.0000	16.5691

3.41 Plant Maintenance: water truck (2017) - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.3000e-004	1.2300e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2083	0.2083	1.0000e-005	0.0000	0.2085
Total	9.0000e-005	1.3000e-004	1.2300e-003	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2083	0.2083	1.0000e-005	0.0000	0.2085

3.42 Plant Maintenance: water truck (2018) - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1160	0.0585	1.8000e-004		4.2300e-003	4.2300e-003		3.8900e-003	3.8900e-003	0.0000	16.8029	16.8029	5.2300e-003	0.0000	16.9127
Total	0.0108	0.1160	0.0585	1.8000e-004	0.0000	4.2300e-003	4.2300e-003	0.0000	3.8900e-003	3.8900e-003	0.0000	16.8029	16.8029	5.2300e-003	0.0000	16.9127

3.42 Plant Maintenance: water truck (2018) - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.1400e-003	0.0000	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2080	0.2080	1.0000e-005	0.0000	0.2082
Total	8.0000e-005	1.2000e-004	1.1400e-003	0.0000	2.5000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2080	0.2080	1.0000e-005	0.0000	0.2082

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2500e-003	9.7600e-003	0.0826	1.8000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.8029	16.8029	5.2300e-003	0.0000	16.9127
Total	2.2500e-003	9.7600e-003	0.0826	1.8000e-004	0.0000	3.0000e-004	3.0000e-004	0.0000	3.0000e-004	3.0000e-004	0.0000	16.8029	16.8029	5.2300e-003	0.0000	16.9127

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Recreational	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Recreational	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552333	0.058138	0.185246	0.125281	0.029961	0.004506	0.012317	0.020953	0.001764	0.001280	0.005920	0.000536	0.001765

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation
