

US EPA ARCHIVE DOCUMENT

Emissions Check Spreadsheet

RTO

		Natural Gas		Waste Gas		Total
	CO2	8360	2.02E+04			28560
	CH4	0.16	3.07E+01			30.86
	N2O	0.02	2.02E-01			0.222
	Total					28591.1

Emission Factor	GHG Mass Emissions TPY (Metric)	GHG Mass Short tons	GWP	CO2e metric	CO2e	
					short	short
CO2	53.02	28560.00	31482.01	1	28560	31482.01
CH4	1.00E-03	30.86	34.02	25	771.5	850.43
N2O	1.00E-04	0.22	0.24	298	66.156	72.92
Total						32405.4

Pellet Blending Silo 1 and 2

Emission Factor	GHG Mass Emissions TPY (Metric)	GHG Mass Emissions TPY (Metric) 2 RTOs	GHG Mass Short tons	GWP	2RTOs short tons	CO2e metric	CO2e		CO2e short	
							metric 2 RTOs	short	2 RTOs	2 RTOs
CO2	53.02	3781.00	7562.00	4167.8	8335.678133	1	3781	7562	4167.8	8335.68
CH4	1.00E-03	589.00	1178.00	649.3	1298.522724	25	14725	29450	16231.5	32463.07
N2O	1.00E-04	0.00	0.00	0.0	0	298	0	0	0.0	0.00
Total								37012	20399.4	40798.7

Emergency Diesel Engine

Emission Factor	GHG Mass Basis (metric)	GHG Mass Short tons	GWP	CO2e metric	CO2e	
					short	short
CO2	53.02	207.1	228.2886725	1	207.1	228.3
CH4	1.00E-03	0.0084	0.01	25	0.21	0.2
N2O	1.00E-04	0.0017	0.00	298	0.5066	0.6
Total						229.1

LDPE Vents to OL3 Flare	LDPE MS5		Total
	Waste gas to OL-3	Vents to Flare (see April 28)	
CO2	2.83E+03	17037	19867.00
CH4	8.53E+00	1	9.53
N2O	2.83E-02	0.26	0.29

Total **19876.82**

	Emission Factor	GHG Mass Basis		GWP	CO2e	
		(metric)	Short tons		CO2e metric	short
CO2	53.02	19867.00	21899.62	1	19867	21899.6
CH4	1.00E-03	9.53	10.51	25	238.25	262.6
N2O	1.00E-04	0.29	0.32	298	85.9134	94.7
Total						22256.9

NG-FUG

	Emission Factor	GHG Mass Basis		GWP	CO2e short	
		(metric)	Short tons		CO2e short	short
CO2	53.02		0.689	1	0.689	
CH4	1.00E-03		20.2	25	505	
N2O	1.00E-04		0	298	0	
Total					505.7	

Total	
CO2	61946.29
CH4	1363.25
N2O	0.56
CO2e	96195.8