Facility: **Owen PC Construction, LLC**
11/10/2008 14:48 **Permit/Facility ID:** **0 777-00433**

Electrical Generator > 600 hp (447 kW) AP-42 Section 3.4 (diesel fueled, uncontrolled)

Fuel Type Toggle = 1 Nonroad Diesel with S at 0.5%
Fuel Consumption Rate 37.33 gal/hr Max Sulfur % = 0.5
Fuel Heating Value 137,030 Btu/gal
Calculated MMBtu/hr 5.1160 MMBtu/hr
Proposed Max Hrs Operating 1,500 hrs/yr

Pollutant	Emission Factor[a] (lb/MMBtu)	Emissions (lb/hr)	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PM [b]	0.1	0.512	3.84E-01	8.76E-02
PM-10 (total) [d]	0.0573	0.293	2.20E-01	5.02E-02
P.M.-2.5		0.000		
CO [b]	0.85	4.349	3.26E+00	
NOx[b]	3.2	16.371	1.23E+01	2.80E+00
SO_2 [b] (total SOx presumed SO2	0.505	2.584	1.94E+00	4.42E-01
VOC [b] (total TOC--> VOCs)	0.09	0.460	3.45E-01	
Lead				
HCl [e]				
Dioxins[e]				
2,3,7,8-TCDD				
Total TCDD				
1,2,3,7,8-PeCDD				
Total PeCDD				
1,2,3,4,7,8-HxCDD[c]				
1,2,3,6,7,8-HxCDD				
1,2,3,7,8,9-HxCDD[c]				
Total HxCDD				
1,2,3,4,6,7,8-Hp-CDD[c]				
Total HpCDD$_c$				
Octa CDD[c]				
Total PCDD[c]				
Furans[e]				
2,3,7,8-TCDF				
Total TCDF[c]				
1,2,3,7,8-PeCDF				
2,3,4,7,8-PeCDF				
Total PeCDF[c]				
1,2,3,4,7,8-HxCDF				
1,2,3,6,7,8-HxCDF				
2,3,4,6,7,8-HxCDF				
1,2,3,7,8,9-HxCDF				
Total HxCDF[c]				
1,2,3,4,6,7,8-HpCDF				
1,2,3,4,7,8,9-HpCDF				
Total HpCDF[c]				
Octa CDF[c]				
Total PCDF[c]				
Total PCDD/PCDF[c]				
Non-PAH HAPs				
Acetaldehyde[c]	2.52E-05	0.000	9.67E-05	2.21E-05
Acrolein[c]	7.88E-06	0.000	3.02E-05	
Benzene[c,e]	7.76E-04	0.004	2.98E-03	6.80E-04
1,3-Butadiene[c,e]				
Ethylbenzene[e]				
Formaldehyde[c,e]	7.89E-05	0.000	3.03E-04	6.91E-05
Hexane[e]				
Isooctane				
Methyl Ethyl Ketone[e]				
Pentane[e]				
Propionaldehyde[e]				
Quinone[e]				
Methyl chloroform[e]				
Toluene[c,e]	2.81E-04	0.001	1.08E-03	
Xylene[c,e]	1.93E-04	0.001	7.41E-04	
POM (7-PAH Group)				3.94E-06

Pollutant	Emission Factor[a] (lb/MMBtu)	Emissions (lb/hr)	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PAH HAPs				
2-Methylnaphthalene				
3-Methylchloranthrene[e]				
Acenaphthene[c1]	4.68E-06	2.39E-05	1.80E-05	4.10E-06
Acenaphthylene[c1]	9.23E-06	4.72E-05	3.54E-05	8.09E-06
Anthracene[c1]	1.23E-06	6.29E-06	4.72E-06	1.08E-06
Benzo(a)anthracene[c1]	6.22E-07	3.18E-06	2.39E-06	5.45E-07
Benzo(a)pyrene[c1,e]	2.57E-07	1.31E-06	9.86E-07	2.25E-07
Benzo(b)fluoranthene[c1]	1.11E-06	5.68E-06	4.26E-06	9.72E-07
Benzo(e)pyrene				
Benzo(g,h,i)perylene[c1]	5.56E-07	2.84E-06	2.13E-06	4.87E-07
Benzo(k)fluoranthene[c1]	2.18E-07	1.12E-06	8.36E-07	1.91E-07
Chrysene[c1]	1.53E-06	7.83E-06	5.87E-06	1.34E-06
Dibenzo(a,h)anthracene[c1]	3.46E-07	1.77E-06	1.33E-06	3.03E-07
Dichlorobenzene				
Fluoranthene[c1]	4.03E-06	2.06E-05	1.55E-05	3.53E-06
Fluorene[c1]	1.28E-05	6.55E-05	4.91E-05	1.12E-05
Indeno(1,2,3-cd)pyrene[c1]	4.14E-07	2.12E-06	1.59E-06	3.63E-07
Naphthalene[c1,e]	1.30E-94	6.65E-94	4.99E-94	1.14E-94
Perylene				
Phenanthrene[c1]	4.08E-05	2.09E-04	1.57E-04	3.57E-05
Pyrene[c1]	3.71E-06	1.90E-05	1.42E-05	3.25E-06
Non-HAP Organic Compounds				
Acetone[e]				
Benzaldehyde				
Butane				
Butyraldehyde				
Crotonaldehyde[e]				
Ethylene				
Heptane				
Hexanal				
Isovaleraldehyde				
2-Methyl-1-pentene				
2-Methyl-2-butene				
3-Methylpentane				
1-Pentene				
n-Pentane				
Valeraldehyde				
Metals				
Antimony[e]				
Arsenic[e]				
Barium[e]				
Beryllium[e]				
Cadmium[e]				
Chromium[e]				
Cobalt[e]				
Copper[e]				
Hexavalent Chromium[e]				
Manganese[e]				
Mercury[e]				
Molybdenum[e]				
Nickel[e]				
Phosphorus[e]				
Silver[e]				
Selenium[e]				
Thallium[e]				
Vanadium[e]				
Zinc[e]				

a) Emission factors are from AP-42
b) AP-42, Table 3.4-1, Gaseous Emission Factors for Large Stationary Diesel and All Stationary Dual Fuel Engines, 10/96
c) AP-42, Table 3.4-3, Speciated Organic Compound Emission Factors for Large Uncontrolled Stationary Diesel Engines, Emission Factor Rating E, 10/96
c1) AP-42, Table 3.4-4, PAH Emission Factors for Large Uncontrolled Stationary Diesel Engines, Emission Factor Rating E, 10/96
d) AP-42, Table 3.4-2, Particulate and Particle-Sizing Emission Factors for Large Uncontrolled Stationary Diesel Engines, Emission Factor Rating E, 10/96
e) IDAPA Toxic Air Pollutant

Pollutants shown in bold text are carcinogens subject to an annual standard.

Facility: Owen PC Construction, LLC
11/21/2008 8:57 **Permit/Facility ID:** 0 777-00433

Load-out Operations **AP-42 Section 11.1**

Emissions Toggle =	1
Hourly Throughput	150 T/hr
Annual Hours Operating	1,000 hrs/yr
Max Annual Throughput	150,000 Tons/yr (Proposed HMA Throughput Limit)

Pollutant	Emission Factor[a] Loadout (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PM (total) [b]	5.22E-04	0.078	0.04	0.0089
PM-10 (total) [b]	5.22E-04	0.078	0.04	0.0089
P.M.-2.5 [h]				
CO [b]	1.35E-03	0.202	0.10	
NOx				
SO_2				
VOC [g,g]	3.91E-03	0.586	0.29	
Lead				
HCl [g,g]	No Data			
Dioxins[e]				
2,3,7,8-TCDD				
Total TCDD				
1,2,3,7,8-PeCDD				
Total PeCDD				
1,2,3,4,7,8-HxCDD				
1,2,3,6,7,8-HxCDD				
1,2,3,7,8,9-HxCDD				
Total HxCDD				
1,2,3,4,6,7,8-Hp-CDD				
Total HpCDD				
Octa CDD				
Total PCDD[h]				
Furans[e]				
2,3,7,8-TCDF				
Total TCDF				
1,2,3,7,8-PeCDF				
2,3,4,7,8-PeCDF				
Total PeCDF				
1,2,3,4,7,8-HxCDF				
1,2,3,6,7,8-HxCDF				
2,3,4,6,7,8-HxCDF				
1,2,3,7,8,9-HxCDF				
Total HxCDF				
1,2,3,4,6,7,8-HpCDF				
1,2,3,4,7,8,9-HpCDF				
Total HpCDF				
Octa CDF				
Total PCDF[h]				
Total PCDD/PCDF[h]				
Non-PAH HAPs				
Acetaldehyde[e]				
Acrolein[e]				
Benzene[e]	2.16E-06	3.24E-04	1.62E-04	3.70E-05
1,3-Butadiene[e]				
Ethylbenzene[e]	1.16E-05	1.75E-03	8.73E-04	
Formaldehyde[e]	3.66E-06	5.49E-04	2.74E-04	6.27E-05
Hexane[e]	6.24E-06	9.36E-04	4.68E-04	
Isooctane	7.49E-08	1.12E-05	5.61E-06	
Methyl Ethyl Ketone[e]	2.04E-06	3.06E-04	1.53E-04	
Pentane[e]				
Propionaldehyde[e]				
Quinone[e]				
Methyl chloroform[e]		0.00E+00	0.00E+00	
Toluene[e]	8.73E-06	1.31E-03	6.55E-04	
Xylene[e]	5.03E-05	7.55E-03	3.77E-03	
POM (7-PAH Group)				7.88E-06

Pollutant	Emission Factor[a] Loadout (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PAH HAPs[f]				
2-Methylnaphthalene	8.11E-06	1.22E-03	6.09E-04	1.39E-04
3-Methylchloranthrene[e]				
Acenaphthene	8.86E-07	1.33E-04	6.65E-05	1.52E-05
Acenaphthylene	9.55E-08	1.43E-05	7.16E-06	1.63E-06
Anthracene	2.39E-07	3.58E-05	1.79E-05	4.09E-06
Benzo(a)anthracene	6.48E-08	9.72E-06	4.86E-06	1.11E-06
Benzo(a)pyrene[e]	7.84E-09	1.18E-06	5.88E-07	1.34E-07
Benzo(b)fluoranthene	2.59E-08	3.89E-06	1.94E-06	4.44E-07
Benzo(e)pyrene	2.66E-08	3.99E-06	1.99E-06	4.55E-07
Benzo(g,h,i)perylene	6.48E-09	9.72E-07	4.86E-07	1.11E-07
Benzo(k)fluoranthene	7.50E-09	1.13E-06	5.63E-07	1.28E-07
Chrysene	3.51E-07	5.27E-05	2.63E-05	6.01E-06
Dibenzo(a,h)anthracene	1.26E-09	1.89E-07	9.46E-08	2.16E-08
Dichlorobenzene				
Fluoranthene	1.70E-07	2.56E-05	1.28E-05	2.92E-06
Fluorene	2.63E-06	3.94E-04	1.97E-04	4.50E-05
Indeno(1,2,3-cd)pyrene	1.60E-09	2.40E-07	1.20E-07	2.74E-08
Naphthalene[e]	4.26E-06	6.39E-04	3.20E-04	7.30E-05
Perylene	7.50E-08	1.13E-05	5.63E-06	1.28E-06
Phenanthrene	2.76E-06	4.14E-04	2.07E-04	4.73E-05
Pyrene	5.11E-07	7.67E-05	3.84E-05	8.76E-06
Non-HAP Organic Compounds				
Acetone[e]	1.95E-06	2.92E-04	1.46E-04	1.46E-04
Benzaldehyde				
Butane				
Butyraldehyde				
Crotonaldehyde[e]				
Ethylene	2.95E-05	4.43E-03	2.21E-03	2.21E-03
Heptane				
Hexanal				
Isovaleraldehyde				
2-Methyl-1-pentene				
2-Methyl-2-butene				
3-Methylpentane				
1-Pentene				
n-Pentane				
Valeraldehyde				
Metals				
Antimony[e]				
Arsenic[e]				
Barium[e]				
Beryllium[e]				
Cadmium[e]				
Chromium[e]				
Cobalt[e]				
Copper[e]				
Hexavalent Chromium[e]				
Manganese[e]				
Mercury[e]				
Molybdenum[e]				
Nickel[e]				
Phosphorus[e]				
Silver[e]				
Selenium[e]				
Thallium[e]				
Vanadium[e]				
Zinc[e]				

a) Emission factors are from AP-42 11.1, Hot Mix Asphalt Plants, 3/04

b) AP-42, Table 11.1-14, Predictive Emission Factor Equations for Load-Out and Silo Filling Operations, 3/04 Defaults: (-V) = 0.5 T (°F) = 325

		LOADOUT	SILO FILL	
Total PM $EF = 0.000181+0.00141(-V)e^{((0.0251)(T+460)-20.43)} + 000332+ 0.00105(-V)e^{((0.0251)(T+460)-}$	=	5.219E-04	5.859E-04	(split addends)
Organic PM $EF = 0.00141(-V)e^{((0.0251)(T+460)-20.43)} + 0.00105(-V)e^{((0.0251)(T+460)-20.43)}$	=	3.409E-04	2.539E-04	(split addends)
TOC PM $EF = 0.0172(-V)e^{((0.0251)(T+460)-20.43)} + 0.0504(-V)e^{((0.0251)(T+460)-20.43)}$	=	4.159E-03	1.219E-02	(split addends)
CO PM $EF = 0.00558(-V)e^{((0.0251)(T+460)-20.43)} + 0.00488(-V)e^{((0.0251)(T+460)-20.43)}$	=	1.349E-03	1.180E-03	(split addends)

e) IDAPA Toxic Air Pollutant

f) AP-42, Table 11.1-15, Speciation Profiles for Load-out, Silo Filling, & Asphalt Storage--Organic Particulate-Based Compounds, 3/04 (EF=Spec% * Organic PM EF)

g) AP-42, Table 11.1-16, Speciation Profiles for Load-out, Silo Filling, &Asphalt Storage--Organic Volatile-Based Compounds, 3/04, (EF=Spec% * TOC PM EF)

Pollutants shown in bold text are carcinogens subject to an annual standard.

Pollutants shown in blue text are organic volatile-based compounds, EF = Spec% x TOC PM EF.

Facility: **Owen PC Construction, LLC**
11/21/2008 8:57 **Permit/Facility ID:** **0 777-00433**

Load-out Operations AP-42 Section 11.1, Page 2

Fuel Type Toggle =	1	
Hourly Throughput	150	T/hr
Annual Hours Operating	1,000	hrs/yr
Max Annual Throughput	150,000	Tons/yr (Proposed HMA Throughput Limit)

Pollutant	Emission Factor[a] Loadout (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
non-PAH HAPs[g]				
Bromomethane[e]	3.99E-07	5.99E-05	2.99E-05	
2-Butanone (see Methyl Ethyl Ketone)				
Carbon disulfide[e]	5.41E-07	8.11E-05	4.05E-05	
Chloroethane (Ethyl chloride[e])	8.73E-09	1.31E-06	6.55E-07	
Chloromethane (Methyl chloride[e])	6.24E-07	9.36E-05	4.68E-05	
Cumene[e]	4.57E-06	6.86E-04	3.43E-04	
n-Hexane (see Hexane[e])				
Methylene chloride (Dichloromethane[e])	0.00E+00	0.00E+00	0.00E+00	
MTBE	0.00E+00	0.00E+00	0.00E+00	
Styrene[e]	3.04E-07	4.55E-05	2.28E-05	
Tetrachloroethene (Tetrachloroethylene[e])	3.20E-07	4.80E-05	2.40E-05	
1,1,1-Trichloroethane (Methyl chloroform[e])	0.00E+00	0.00E+00	0.00E+00	
Trichloroethene (Trichloroethylene[e])	0.00E+00	0.00E+00	0.00E+00	
Trichlorofluoromethane	5.41E-08	8.11E-06	4.05E-06	
m-/p-Xylene[e] (added into Xylene[e])	1.71E-05	2.56E-03	1.28E-03	
o-Xylene[e] (added into Xylene[e])	3.33E-05	4.99E-03	2.50E-03	
Phenol[a,f]	4.02E-06	6.03E-04	3.02E-04	
Non-HAP Organic Compounds				
Methane	2.70E-04	4.05E-02	2.03E-02	

Pollutants shown in blue text are organic volatile-based compounds, EF = Spec% x TOC PM EF.

Facility: **Owen PC Construction, LLC**
11/21/2008 8:57 **Permit/Facility ID:** **0 777-00433**

Silo Filling Operations AP-42 Section 11.1

Emissions Toggle = 1
Hourly Throughput 150 T/hr
Annual Hours Operating 1,000 hrs/yr
Max Annual Throughput 150,000 Tons/yr (Proposed HMA Throughput Limit)

Pollutant	Emission Factor[a] Silo Fill (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PM (total)[b]	5.86E-04	0.0879	0.0439	0.0100
PM-10 (total)[b]	5.86E-04	0.0879	0.0439	0.0100
P.M.-2.5[b]				
CO[b]	1.18E-03	0.1770	0.0885	
NOx				
SO_2				
VOC[d,g]	1.22E-04	1.83E-02	0.0091	
Lead				
HCl[d,e]	No Data			
Dioxins[e]				
2,3,7,8-TCDD				
Total TCDD				
1,2,3,7,8-PeCDD				
Total PeCDD				
1,2,3,4,7,8-HxCDD				
1,2,3,6,7,8-HxCDD				
1,2,3,7,8,9-HxCDD				
Total HxCDD				
1,2,3,4,6,7,8-Hp-CDD				
Total HpCDD				
Octa CDD				
Total PCDD[h]				
Furans[e]				
2,3,7,8-TCDF				
Total TCDF				
1,2,3,7,8-PeCDF				
2,3,4,7,8-PeCDF				
Total PeCDF				
1,2,3,4,7,8-HxCDF				
1,2,3,6,7,8-HxCDF				
2,3,4,6,7,8-HxCDF				
1,2,3,7,8,9-HxCDF				
Total HxCDF				
1,2,3,4,6,7,8-HpCDF				
1,2,3,4,7,8,9-HpCDF				
Total HpCDF				
Octa CDF				
Total PCDF[h]				
Total PCDD/PCDF[h]				
Non-PAH HAPs				
Acetaldehyde[e]				
Acrolein[e]				
Benzene[e]	3.90E-06	5.85E-04	0.0003	0.0001
1,3-Butadiene[e]				
Ethylbenzene[e]	4.63E-06	6.95E-04	0.0003	
Formaldehyde[e]	8.41E-05	1.26E-02	0.0063	0.0014
Hexane[e]	1.22E-05	1.83E-03	0.0009	
Isooctane	3.78E-08	5.67E-06	0.0000	
Methyl Ethyl Ketone[e]	4.75E-06	7.13E-04	0.0004	
Pentane[e]				
Propionaldehyde[e]				
Quinone[e]				
Methyl chloroform[e]		0.00E+00	0.0000	
Toluene[e]	7.56E-06	1.13E-03	0.0006	
Xylene[e]	3.13E-05	4.70E-03	0.0023	
POM (7-PAH Group)				1.16E-05

Pollutant	Emission Factor[a] Silo Fill (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
PAH HAPs[f]				
2-Methylnaphthalene	1.34E-05	2.01E-03	1.00E-03	2.29E-04
3-Methylchloranthrene[e]				
Acenaphthene	1.19E-06	1.79E-04	8.95E-05	2.04E-05
Acenaphthylene	3.55E-08	5.33E-06	2.67E-06	6.09E-07
Anthracene	3.30E-07	4.95E-05	2.48E-05	5.65E-06
Benzo(a)anthracene	1.42E-07	2.13E-05	1.07E-05	2.43E-06
Benzo(a)pyrene[e]	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(b)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(e)pyrene	2.41E-08	3.62E-06	1.81E-06	4.13E-07
Benzo(g,h,I)perylene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(k)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chrysene	5.33E-07	8.00E-05	4.00E-05	9.13E-06
Dibenzo(a,h)anthracene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dichlorobenzene				
Fluoranthene	3.81E-07	5.71E-05	2.86E-05	6.52E-06
Fluorene	2.56E-06	3.85E-04	1.92E-04	4.39E-05
Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Naphthalene[e]	4.62E-06	6.93E-04	3.47E-04	7.91E-05
Perylene	7.62E-08	1.14E-05	5.71E-06	1.30E-06
Phenanthrene	4.57E-06	6.86E-04	3.43E-04	7.83E-05
Pyrene	1.12E-06	1.68E-04	8.38E-05	1.91E-05
Non-HAP Organic Compounds				
Acetone[e]	6.70E-06	1.01E-03	0.0005	
Benzaldehyde				
Butane				
Butyraldehyde				
Crotonaldehyde[e]				
Ethylene	1.34E-04	2.01E-02	0.0101	
Heptane				
Hexanal				
Isovaleraldehyde				
2-Methyl-1-pentene				
2-Methyl-2-butene				
3-Methylpentane				
1-Pentene				
n-Pentane				
Valeraldehyde				
Metals				
Antimony[e]				
Arsenic[e]				
Barium[e]				
Beryllium[e]				
Cadmium[e]				
Chromium[e]				
Cobalt[e]				
Copper[e]				
Hexavalent Chromium[e]				
Manganese[e]				
Mercury[e]				
Molybdenum[e]				
Nickel[e]				
Phosphorus[e]				
Silver[e]				
Selenium[e]				
Thallium[e]				
Vanadium[e]				
Zinc[e]				

a) Emission factors are from AP-42 11.1, Hot Mix Asphalt Plants, 3/04

b) AP-42, Table 11.1-14, Predictive Emission Factor Equations for Load-Out and Silo Filling Operations, 3/04 Defaults: (-V) = 0.5 T (°F) = 325

		LOADOUT	SILO FILL
Total PM $EF = 0.000181+0.00141(-V)e^{((0.0251)(T+460)-20.43)} + 000332+ 0.00105(-V)e^{((0.0251)(T+4}$	=	5.219E-04	5.859E-04 (split addends)
Organic PM $EF = 0.00141(-V)e^{((0.0251)(T+460)-20.43)} + 0.00105(-V)e^{((0.0251)(T+460)-20.43)}$	=	3.409E-04	2.539E-04 (split addends)
TOC PM $EF = 0.0172(-V)e^{((0.0251)(T+460)-20.43)} + 0.0504(-V)e^{((0.0251)(T+460)-20.43)}$	=	4.159E-03	1.219E-02 (split addends)
CO PM $EF = 0.00558(-V)e^{((0.0251)(T+460)-20.43)} + 0.00488(-V)e^{((0.0251)(T+460)-20.43)}$	=	1.349E-03	1.180E-03 (split addends)

e) IDAPA Toxic Air Pollutant

f) AP-42, Table 11.1-15, Speciation Profiles for Load-out, Silo Filling, & Asphalt Storage--Organic Particulate-Based Compounds, 3/04 (EF=Spec% * Organic PM EF)

g) AP-42, Table 11.1-16, Speciation Profiles for Load-out, Silo Filling, &Asphalt Storage--Organic Volatile-Based Compounds, 3/04, (EF=Spec% * TOC PM EF)

Pollutants shown in bold text are carcinogens subject to an annual standard. These lb/hr values are annual averages.

Pollutants shown in blue text are organic volatile-based compounds, EF = Spec% x TOC PM EF.

Facility: **Owen PC Construction, LLC**
11/21/2008 8:57 **Permit/Facility ID:** **0 777-00433**

Silo Filling Operations AP-42 Section 11.1, Page 2

Fuel Type Toggle =	1	
Hourly Throughput	150	T/hr
Annual Hours Operating	1,000	hrs/yr
Max Annual Throughput	0	Tons/yr Theoretical Max HMA at Max Hours
Max Annual Throughput	150,000	Tons/yr (Proposed HMA Throughput Limit)

Pollutant	Emission Factor[a] Silo Fill (lb/ton)	Emissions (lb/hr) 1-hr Average	Emissions (T/yr)	Emissions (lb/hr) Annual Average
non-PAH HAPs[a]				
Bromomethane[e]	5.97E-07	8.96E-05	0.0000	
2-Butanone (see Methyl Ethyl Ketone)				
Carbon disulfide[e]	1.95E-06	2.92E-04	0.0001	
Chloroethane (Ethyl chloride[e])	4.87E-07	7.31E-05	0.0000	
Chloromethane (Methyl chloride[e])	2.80E-06	4.20E-04	0.0002	
Cumene[e]	0.00E+00	0.00E+00	0.0000	
n-Hexane (see Hexane[e])				
Methylene chloride (Dichloromethane[e])	3.29E-08	4.94E-06	0.0000	
MTBE	0.00E+00	0.00E+00	0.0000	
Styrene[e]	6.58E-07	9.87E-05	0.0000	
Tetrachloroethene (Tetrachloroethylene[e])	0.00E+00	0.00E+00	0.0000	
1,1,1-Trichloroethane (Methyl chloroform[e])	0.00E+00	0.00E+00	0.0000	
Trichloroethene (Trichloroethylene[e])	0.00E+00	0.00E+00	0.0000	
Trichlorofluoromethane	0.00E+00	0.00E+00	0.0000	
m-/p-Xylene[e] (added into Xylene[e])	2.44E-05	3.66E-03	0.0018	
o-Xylene[e] (added into Xylene[e])	6.95E-06	1.04E-03	0.0005	
Phenol[e,f]	0.00E+00	0.00E+00	0.0000	
Non-HAP Organic Compounds				
Methane	3.17E-03	4.75E-01	0.2376	

Pollutants shown in blue text are organic volatile-based compounds, EF = Spec% x TOC PM EF.

CURRENT PTC APPLICATION ESTIMATES

DEQ Verification Worksheets: Hot Mix Asphalt (HMA) Drum Mix Facility Data

Facility ID/AIRS No.	777-00433	Spreadsheet Date	11/21/2008 9:27
Permit No.		HMA Type: Drum Mix or Batch ?	Drum Mix
		Include Silo Fill & Loadout Emissions'	Y
Facility Owner/Company Name:	Owen PC Construction, LLC		
Address:	P.O. Box 1077		
City, State, Zip:	Victor, Idaho 83455		FACWIDE ESTIMATES
Facility Contact:	Voyd Stewart, Vice President		
Contact Number/ e-mail:	(208) 787-6936/voyd@owen-pc.com		
Is this HMA facility subject to NSPS? Yes=1,No=0	1	Commenced Operations in:	Year
Use Short Term Source Factor on 586 ELs? Y or N	N	**Use T-RACT on 586 AACC? Y/N**	N
Hot Mix Plant AP-42 Section 11.1)	**Input (Bold Color) or Calculated Value (Black)**	**Fuel Type(s)**	**Fuel Type Toggle ("0" or "1")**
Drum Dryer Make/Model	CMI/UDM 1200		
		#2 Fuel Oil	1
Rated heat input capacity, MMBtu/hr	41.1	Used Oil or RFO4 Oil	1
Drum Dryer Hourly Throughput, Tons/hr	150	Natural Gas	1
Hours of operation per day	12	LPG or Propane	1
Hours of operation per year (=Throughput: Annual/Hourly)	1,000	Exit Gas Volume (acfm)	31,164
		Exit Gas Temperature (^oF)	164
Max Throughput (Proposed Limit), T/yr	150,000	Stack Pressure (in Hg)	
Used Oil max sulfur content (Default is 0.5%)	0.50%	Stack Moisture Content, %	

Asphalt Tank Heater AP-42, Section 11.1 (oil or natural gas fuel), or Section 1.4 (natural gas fuel)			
Rated heat input capacity (MMBtu)	1.096	**Fuel Type(s)**	**Fuel Toggle**
Hours of operation per day	24	#2 Fuel Oil	1
Operation, days per year	125.00	Used Oil	0
Max Hours of operation per year (Proposed limit)	3,000	Natural Gas	0
Exit Flow (acfm) or Velocity (fps) FPS	48.9 fps	Indirect Heat or Power? Y or N	Y
Exhaust exit gas temperature (^oF)	170		

Tank Heater Fuel Consumption	**#2 Fuel Oil**	**Natural Gas**
Heat Input Rating (MMBtu/hr)	1.096	1.096
Fuel Heating Value, Btu/gal (oil) or Btu/scf (gas)	137,030	1,050
Heating Value Correction for Natural Gas EFs, see Note	n/a	1.029
Theoretical Max Fuel Use Rate gal/hr [oil] or scf/hr [gas]	8.00	1,044
Max Operational Hours per Year (Proposed Limit)	3,000	3,000

Note: AP-42 EFs for natural gas combustion (Tables 1.4-xx) are based on heat value of 1,020 Btu/scf.
EFs for other fuel heating values must be multiplied by the ratio of the specified heating value to 1,020.

CAUTION: WORKSHEET PRESUMES ONLY ONE SMALL OR ONE LARGE GENERATOR. WILL NOT INCLUDE EMISSIONS FOR TWO GENERATC

Electrical Generator < 600 hp (447 kW) AP-42 Section 3.3 (diesel fueled)			
		Fuel Type(s)	**Fuel Toggle**
Generator Make/Model	Whisper Watt	#2 Fuel Oil (Diesel)	1
Generator Rated Capacity (kW)	45		
EF OPTIONS:		**Use EFs in lb/MMBtu fuel input**	
1 hp = 0.7456999 kW	0.7457	Calculated Max Fuel Use Rate, gal/hr	3.08
Avg brake-specific fuel consumption (BSFC) = 7000 Btu/hp-hr	7000	Fuel Heating Value, Btu/gal	137,030
		Calculated MMBtu/hr	0.42
		Max Operational Hours/Day	12
		Max Operational Hours/Year	1,500

Electrical Generator > 600 hp (447 kW) AP-42 Section 3.4 (diesel or dual fuel)			
		Fuel Type(s)	**Fuel Toggle**
Generator Make/Model	Caterpiller	#2 Fuel Oil (Diesel)	1
Generator Rated Capacity (kW)	545		
FUEL OPTIONS: #2 Fuel Oil (Diesel)			
Max Sulfur weight percent (w/o)	0.50%	1 hp = 0.7456999 kW	0.7457
Calculated Max Fuel Use Rate, gal/hr	37.33	Avg BSFC = 7000 Btu/hp-hr	7000
Fuel Heating Value, Btu/gal	137,030		
Calculated MMBtu/hr	5.12		
Max Operational Hours per Day	12		
Max Operational Hours per Year	1,500		

Note: AP-42 Tables 3.3-x,3.4-x: avg diesel heating value is based on 19,300 Btu/lb with density equal 7.1 lb/gal=> Btu/gal = 137,030

Facility: Owen PC Construction, LLC

11/21/2008 9:27 **Permit/Facility ID:** 0 777-00433

EMISSION INVENTORY

TONS PER YEAR

Maximum Controlled Emissions of Any Pollutant from Drum Mix HMA Plant with Scrubber, Tank Heater, Generators, Load-out/Silo/Asphalt Storage

A. Drum Mix Plant: 150 Tons/hour 1,000 Hours/year 150,000 Tons/year HMA throughput 12 hrs/day

Maximum emission for each pollutant from any fuel-burning options selected on "Facility Data" worksheet. Fuels Selected = #2 Fuel Oil Used Oil Natural Gas LPG/Propane

B. Tank Heater: 1.0960 MMBtu Rate 3,000 Hours/year 24 hrs/day

Maximum emission for each pollutant for heater burning any fuel selected on "Facility Data" worksheet. Fuels Selected = #2 Fuel Oil

C. Generator: 37.33488 gal/hour 1500 Hours/year Generator>600hp #2 Fuel Oil 12 hrs/day

Pollutant	A Drum Mix Max Emission Rate for Pollutant (T/yr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (T/yr)	C Generator Max Emission Rate for Pollutant (T/yr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (T/yr)	E TOTAL of Max Emission Rates from A, B, & C (T/yr) Exclude Fugitives from D
PM (total)					3.90
PM-10 (total)					2.38
P.M.-2.5					
CO					13.37
NOx					18.04
SO_2					7.23
VOC					2.86
Lead					6.77E-03
HCl [e]					1.58E-02
Dioxins[e]					
2,3,7,8-TCDD					1.58E-11
Total TCDD					6.98E-11
1,2,3,7,8-PeCDD					2.33E-11
Total PeCDD					1.65E-09
1,2,3,4,7,8-HxCDD					3.98E-11
1,2,3,6,7,8-HxCDD					9.75E-11
1,2,3,7,8,9-HxCDD					8.26E-11
Total HxCDD					9.00E-10
1,2,3,4,6,7,8-Hp-CDD					5.40E-10
Total HpCDD					1.66E-09
Octa CDD					3.79E-09
Total PCDD[h]					8.23E-09
Furans[e]					
2,3,7,8-TCDF					7.28E-11
Total TCDF					3.17E-10
1,2,3,7,8-PeCDF					3.23E-10
2,3,4,7,8-PeCDF					6.30E-11
Total PeCDF					6.31E-09
1,2,3,4,7,8-HxCDF					3.00E-10
1,2,3,6,7,8-HxCDF					9.00E-11
2,3,4,6,7,8-HxCDF					1.43E-10
1,2,3,7,8,9-HxCDF					6.30E-10
Total HxCDF					9.99E-10
1,2,3,4,6,7,8-HpCDF					4.88E-10
1,2,3,4,7,8,9-HpCDF					2.03E-10
Total HpCDF					8.66E-10
Octa CDF					5.04E-10
Total PCDF[h]					3.37E-09
Total PCDD/PCDF[h]					1.18E-08
Non-PAH HAPs					
Acetaldehyde[e]					9.79E-02
Acrolein[e]					2.01E-03
Benzene[e]					3.25E-02
1,3-Butadiene[e]					2.48E-05
Ethylbenzene[e]					1.80E-02
Formaldehyde[e]					2.33E-01
Hexane[e]					6.90E-02
Isooctane					3.00E-03
Methyl Ethyl Ketone[e]					1.50E-03
Pentane[e]					0.00E+00
Propionaldehyde[e]					9.75E-03
Quinone[e]					1.20E-02
Methyl chloroform[e]					3.60E-03
Toluene[e]					2.19E-01
Xylene[e]					1.58E-02
TOTAL Federal HAPs (T/yr)=					**8.58E-01**

Pollutant	A Drum Mix Max Emission Rate for Pollutant (T/yr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (T/yr)	C Generator Max Emission Rate for Pollutant (T/yr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (T/yr)	E TOTAL of Max Emission Rates from A, B, & C (T/yr) Exclude Fugitives from D
PAH HAPs					
2-Methylnaphthalene					1.28E-02
3-Methylchloranthrene[e]					0.00E+00
Acenaphthene					1.29E-04
Acenaphthylene					1.69E-03
Anthracene					2.40E-04
Benzo(a)anthracene[e]					1.86E-05
Benzo(a)pyrene[e]					1.78E-06
Benzo(b)fluoranthene[e]					1.30E-05
Benzo(e)pyrene					8.25E-06
Benzo(g,h,i)perylene					5.29E-06
Benzo(k)fluoranthene[e]					3.96E-06
Chrysene[e]					1.95E-05
Dibenzo(a,h)anthracene[e]					1.52E-06
Dichlorobenzene					0.00E+00
Fluoranthene					6.41E-05
Fluorene					8.83E-04
Indeno(1,2,3-cd)pyrene[e]					2.23E-06
Naphthalene[e]					4.91E-02
Perylene					6.60E-07
Phenanthrene					1.95E-03
Pyrene					2.42E-04
Non-HAP Organic Compounds					
Acetone[e]					6.23E-02
Benzaldehyde					8.25E-03
Butane					5.03E-02
Butyraldehyde					1.20E-02
Crotonaldehyde[e]					6.45E-03
Ethylene					5.25E-01
Heptane					7.05E-01
Hexanal					8.25E-03
Isovaleraldehyde					2.40E-03
2-Methyl-1-pentene					3.00E-01
2-Methyl-2-butene					4.35E-02
3-Methylpentane					1.43E-02
1-Pentene					1.65E-01
n-Pentane[e]					1.58E-02
Valeraldehyde[e]					5.03E-03
Metals					
Antimony[e]					1.98E-04
Arsenic[e]					1.13E-04
Barium[e]					2.64E-03
Beryllium[e]					3.34E-07
Cadmium[e]					9.93E-05
Chromium[e]					5.50E-04
Cobalt[e]					8.39E-05
Copper[e]					1.42E-03
Hexavalent Chromium[e]					2.05E-04
Manganese[e]					3.50E-03
Mercury[e]					1.17E-03
Molybdenum[e]					9.44E-06
Nickel[e]					2.94E-02
Phosphorus[e]					1.27E-02
Silver[e]					2.16E-04
Selenium[e]					6.22E-05
Thallium[e]					1.85E-06
Vanadium[e]					3.82E-04
Zinc[e]					4.40E-03

e) IDAPA Toxic Air Pollutant

Facility: Owen PC Construction, LLC

11/21/2008 9:27 **Permit/Facility ID:** 0 777-00433

EMISSION INVENTORY

TONS PER YEAR

Max Emissions of Any Pollutant from Drum Mix HMA Plant: Scrubber, Tank Heater, Generators, Load-out/Silo/Asphalt Storage

A. Drum Mix Plant: 150 Tons/hour 1,000 Hours/year 150,000 Tons/year HMA throughput 12 hrs/day

Maximum emission for each pollutant from any fuel-burning option selected. Fuels Selected = #2 Fuel Oil Used Oil Natural Gas LPG/Propane

B. Tank Heater: 1.0960 MMBtu Rated 3,000 Hours/year 24 hrs/day

Maximum emission for each pollutant from any fuel-burning option selected. Fuels Selected = #2 Fuel Oil

C. Generator: 37.3348834 gal/hour 1500 Hours/year #2 Fuel Oil Generator>600hp 12 hrs/day

Pollutant	A Drum Mix Max Emission Rate for Pollutant (T/yr)	B Asphalt Tank Heater Max Emission Rate for Pollutant (T/yr)	C Generator Max Emission Rate for Pollutant (T/yr)	D Load-out, Silo Filling, & Tank Storage Emission Rate for Pollutant (T/yr)	E TOTAL of Max Emission Rates from A, B, & C (T/yr) Exclude Fugitives from D
non-PAH HAPs[e]					
Bromomethane[e]					0.00E+00
2-Butanone (see Methyl Ethyl Ketone)					0.00E+00
Carbon disulfide[e]					0.00E+00
Chloroethane (Ethyl chloride[e])					0.00E+00
Chloromethane (Methyl chloride[e])					0.00E+00
Cumene					0.00E+00
n-Hexane					0.00E+00
Methylene chloride (Dichloromethane[e])					0.00E+00
MTBE					0.00E+00
Styrene[e]					0.00E+00
Tetrachloroethene (Tetrachloroethylene[e])					0.00E+00
1,1,1-Trichloroethane (Methyl chloroform[e])					0.00E+00
Trichloroethene (Trichloroethylene[e])					0.00E+00
Trichlorofluoromethane					0.00E+00
m-/p-Xylene[e]					0.00E+00
o-Xylene[e]					0.00E+00
Phenol[e,f]					0.00E+00
Non-HAP Organic Compounds					
Methane					0.00E+00

e) IDAPA Toxic Air Pollutant

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION
Revision 2
4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Owen PC Construction LLC
Facility Name:	1580 Hotplant
Facility ID No.:	
Brief Project Description:	Permit existing portable asphalt drum mixer.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Fugitive Source(s)													
Elevator, Bins,Screens, etc.	PLEASE SEE ATTACHED SPREADSHEETS												
Cold Aggregate Equipment	PLEASE SEE ATTACHED SPREADSHEETS												
Haul Roads	PLEASE SEE ATTACHED SPREADSHEETS												
name of fugitive source4													
name of fugitive source5													
name of fugitive source6													
name of fugitive source7													
name of fugitive source8													
name of fugitive source9													
name of fugitive source10													
name of fugitive source11													
name of fugitive source12													
name of fugitive source13													
name of fugitive source14													
name of fugitive source15													
name of fugitive source16													
name of fugitive source17													
name of fugitive source18													
name of fugitive source19													
name of fugitive source20													
name of fugitive source21													
(insert more rows as needed)													
Total													

Instructions for Form EI-CP2

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	Owen PC Construction LLC
Facility Name:	1580 Hotplant
Facility ID No.:	
Brief Project Description:	Permit existing portable asphalt drum mixer.

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - FUGITIVE SOURCES

1.	2.	3. Air Pollutant Maximum Change in Emissions Rate (lbs/hr or t/yr)											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Fugitive Source Name	**Fugitive ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Fugitive Source(s)													
Elevator, Bins,Screens, etc.	PLEASE SEE ATTACHED SPREADSHEETS												
Cold Aggregate Equipment	PLEASE SEE ATTACHED SPREADSHEETS												
Haul Roads	PLEASE SEE ATTACHED SPREADSHEETS												
name of fugitive source4													
name of fugitive source5													
name of fugitive source6													
name of fugitive source7													
name of fugitive source8													
name of fugitive source9													
name of fugitive source10													
name of fugitive source11													
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name of fugitive source17													
name of fugitive source18													
name of fugitive source19													
name of fugitive source20													
name of fugitive source21													
(insert more rows as needed)													
Total													

OWEN PC CONSTRUCTION, LLC
DRIGGS FACILITY HOT MIX ASPHALT (HMA) PLANT
FUGITIVE EMISSION CALCULATIONS - MAXIMUM UNCONTROLLED
Based on maximum prodnction rate of 150 tons per hour throughput and maximum 8,760 hrs/yr operations

Fugitive Sources			PM-10 EF Value (lb/ton)	PM-10 (TPY)
Elevator, Screens, and Bins			0.03	19.7
Cold Aggregate Handling			0.04	26.3
			PM-10 EF Value (lb/VMT)	PM-10 (lb/VMT)
Haul Roads (Paved)			0.295	64.6

Note: EF values are from AP-42 and are as "uncontrolled" emissions
Sections 11.19.2; 13.2.1; 13.2.3; and 13.2.4
Note: EF for Elevator, Screens, and Bins taken from AFSSCC 3-05-002-02
Note: EF for Cold Aggregate Handling taken from AFSSCC 3-05-002-03 and -04 (which have been revoked according to EPA)
Note: EF for Haul Roads taken from Table A1-5 in AP-42 Section 13.2.1
Note: VMT = Vehicle Miles Travelled
Note: Estimate 50 trips per operating hour and 0.10 miles haul road distance for a total of 438,000 VMT/yr

OWEN PC CONSTRUCTION, LLC
DRIGGS FACILITY HOT MIX ASPHALT (HMA) PLANT
FUGITIVE EMISSION CALCULATIONS - ACTUAL CONTROLLED
Based on maximum production rate of 150 tons per hour throughput and 2,200 hrs/yr operations
Based on control efficiency of 50% for water sprays.

Fugitive Sources			PM-10 EF Value (lb/ton)	PM-10 (TPY)
Elevator, Screens, and Bins			0.03	2.5
Cold Aggregate Handling			0.04	3.3
			PM-10 EF Value (lb/VMT)	PM-10 (lb/VMT)
Haul Roads (Paved)			0.295	0.8

Note: EF values are from AP-42 and are as "controlled" emissions using 50% control efficiency for water sprays
Sections 11.19.2; 13.2.1; 13.2.3; and 13.2.4
Note: EF for Elevator, Screens, and Bins taken from AFSSCC 3-05-002-02
Note: EF for Cold Aggregate Handling taken from AFSSCC 3-05-002-03 and -04 (which have been revoked according to EPA)
Note: EF for Haul Roads taken from Table A1-5 in AP-42 Section 13.2.1
Note: VMT = Vehicle Miles Travelled
Note: Estimate 50 trips per operating hour and 0.10 miles haul road distance for a total of 11,000 VMT/yr

November 10, 2008

Carole Zundel
State of Idaho DEQ, Air Quality Div.
1410 North Hilton
Boise, ID 83706

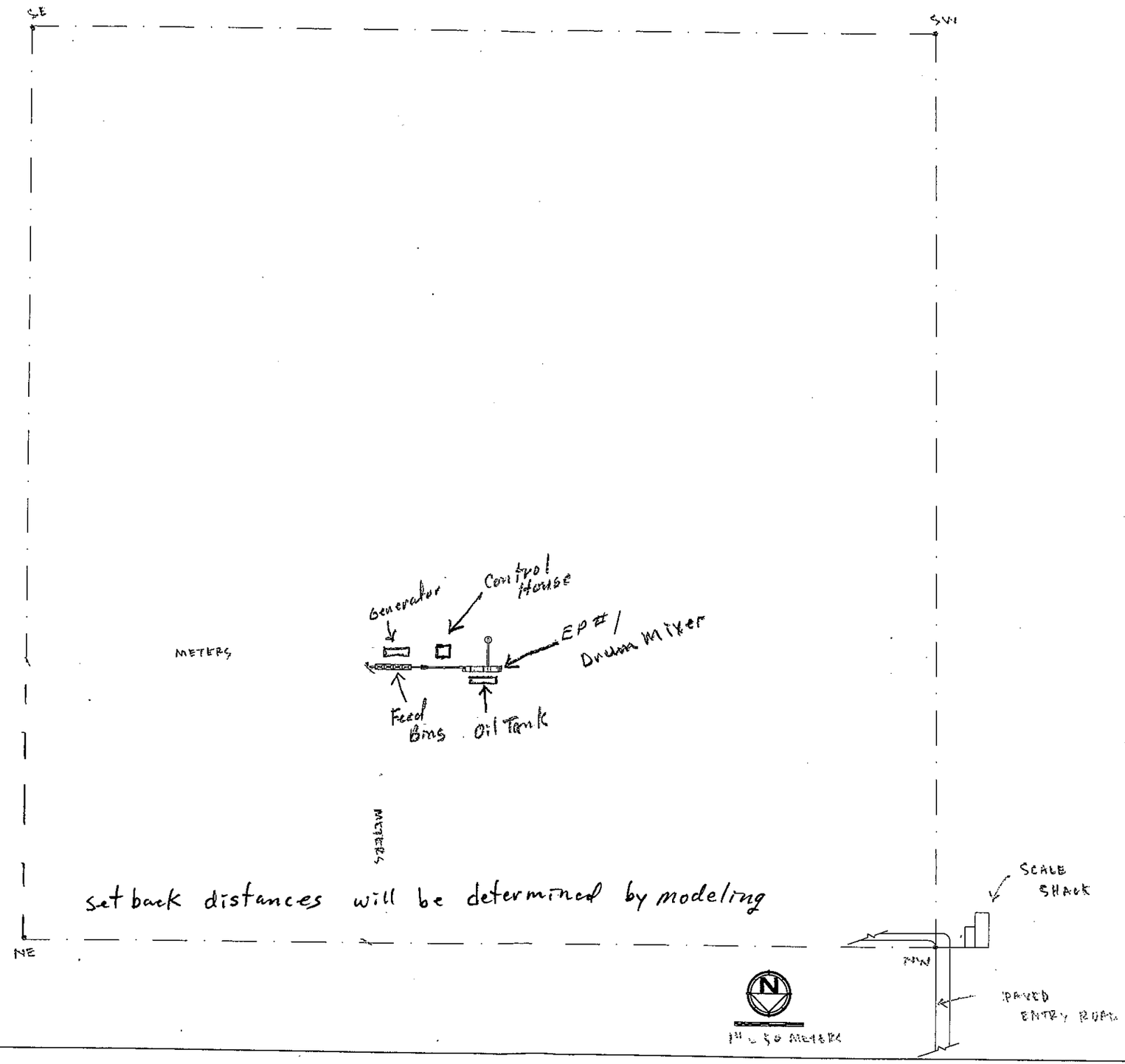
RE: Process Description, Facility ID# 777-00433

The facility is a CMI model UDM 1200 portable hot mix asphalt plant that consists of a parallel flow drum mix dryer, portable generators, an asphalt tank heater/asphalt tank, diesel fuel storage tanks, wet scrubber, and material transfer equipment. Materials transfer equipment may include front end loaders, storage bins, storage silos, conveyors, stock piles and haul trucks.

Front end loaders are used to transfer the stockpiled aggregates to feed bins. Aggregate is dispensed from the bins onto a scale conveyor that weighs and delivers the aggregate to the drum mixer. Aggregate travels through the drum mix dryer, and when dried is blended with liquid asphalt cement. The resulting hot mix asphalt is conveyed to a storage silo until it can be loaded into trucks for transport to the jobsite.

The drum dryer is a parallel flow design that uses proportioning aggregate (cold feed) controls for the process materials. Sized aggregate is introduced at the burner end. As the drum rotates, the aggregates and the combustion air move in parallel towards the dryer outlet. During the drying process the mixture is coated with liquid asphalt cement. The exhaust gases from the drum dryer and coater are collected and ducted to a wet scrubber by an induced draft fan. The water from the wet scrubber is collected in a settling pond that consists of two sections. The dirty water is released into the settling basin where the heavy dirt and pollutants settle out. The clean water runs over a weir and into a clean water retention area and is then recycled through the wet scrubber.

P.O. Box 1077
Victor, Idaho 83455
(208) 787-6936 • FAX (208) 787-6938 • email: owen-pc.com



General Notes

SECTION_31

TOWNSHIP_5_NORTH

RANGE_46

TETON_COUNTY-IDAHO

No.	Revision/Issue	Date

Firm Name and Address

OWEN RC CONSTRUCTION

Project Name and Address

SITEPLAN
OWENPC
GRAVELPIT
LEGEL_DESC_ABOVE

Project HOTMIXPLANT	Sheet 1
Date APRIL2008	
Scale ASNOTED	

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name:	Facility Name:	Facility ID No:
Owen PC Construction	1580 Hotplant	777-00433
Brief Project Description:	Permit existing portable asphalt drum mixer.	

APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	☒ NO	☐ YES*
	* If YES, applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]	
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	☐ NO	☒ YES*
	*If YES, please identify sub-part: I	
3. Will this project be subject to a MACT (Maximum Achievable Control Technology) regulation? (40 CFR part 63)	☒ NO	☐ YES*
THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT	*If YES, please identify sub-part: _____	
4. Will this project be subject to a NESHAP (National Emission Standards for Hazardous Air Pollutants) regulation? (40 CFR part 61)	☒ NO	☐ YES*
	*If YES, please identify sub-part: _____	
5. Will this project be subject to PSD (Prevention of Significant Deterioration)? (40 CFR section 52.21)	☒ NO	☐ YES
6. Was netting done for this project to avoid PSD?	☒ NO	☐ YES*
	*If YES, please attach netting calculations	

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT