ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
65BL	Diesel Engine	None – vents via 65V05

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Diesel engine powering emergency electric generator for wastewater treatment critical equipment.

Manufacturer:	**Model number:**	**Serial number:**
Cummins	NT 855C2	56207
Construction date:	**Installation date:**	**Modification date(s):**
1988	1988	No Modifications

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
355 hp

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
NA	NA	8,760 hr/yr

Fuel Usage Data **(fill out all applicable fields)**

Does this emission unit combust fuel? _X_ Yes ____ No	**If yes, is it?** ____ Indirect Fired _X_ Direct Fired
Maximum design heat input and/or maximum horsepower rating: 355 hp	**Type and Btu/hr rating of burners:** NA

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
#2 Lo-sulfur Diesel Fuel

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Low-Sulfur Distillate Oil	0.05 wt. %	NA	142,200 BTU/gal

Emissions Data

Criteria Pollutants	Potential Emissions (After Control)	
	PPH	TPY (300 hr)
Carbon Monoxide (CO)	2.37	0.36
Nitrogen Oxides (NO_X)	0.45	0.07
Lead (Pb)	---	---
Particulate Matter ($PM_{2.5}$)	0.78	0.12
Particulate Matter (PM_{10})	0.78	0.12
Total Particulate Matter (TSP)	0.78	0.12
Sulfur Dioxide (SO_2)	0.73	0.11
Volatile Organic Compounds (VOC)	0.002	0.0003
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPH	TPY (300 hr)
Benzene	NA	<0.001
Toluene	NA	<0.001
Formaldehyde	NA	<0.001
Acetaldehyde	NA	<0.001
Regulated Pollutants other than Criteria and HAP	Potential Emissions (After Control)	
	PPH	TPY
None	---	---

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

AP-42 / Stack test data

Applicable Requirements

List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (*Note: Title V permit condition numbers alone are not the underlying applicable requirements*). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

1. Emission limits – R30-07300003-2009 SM01 (Part 3 of 4): 7.1.1.2.; 45CSR34; 40 C.F.R. 63 Subpart ZZZZ §63.6595(a)(1).

2. Operational limits – R30-07300003-2009-SM01 (Part 3 of 4): 7.1.1.3. – 7.1.1.8.; 45CSR34; 40 C.F.R. 63 Subpart ZZZZ §63.6602, Table 2c, Item#1; §63.6625(h); §63.6605(b); §§63.6625(e) and 63.6625(e)(2); 40 C.F.R. §63.6640(a), Table 6, Item # 9; §63.6625(f); §63.6625(i); §§63.6640(f)(1), (2), and (3).

____ Permit Shield

For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

1. R30-07300003-2009-SM01 (Part 3 of 4): 7.4.2. - 7.4.4., 7.5.1. - 7.5.3.; 40 C.F.R. §§63.6655(e) and 63.6655(e)(2); §§63.6655(f) and 63.6655(f)(1); §§63.6660(a), (b), and (c); §63.6640(b); §63.6640(e); §63.6650(f); 45CSR34.

2. R30-07300003-2009-SM01 (Part 3 of 4) 7.4.2. - 7.4.4., 7.5.1. - 7.5.3.; 40 C.F.R. §§63.6655(e) and 63.6655(e)(2); §§63.6655(f) and 63.6655(f)(1); §§63.6660(a), (b), and (c); §63.6640(b); §63.6640(e); §63.6650(f); 45CSR34.

Are you in compliance with all applicable requirements for this emission unit? _X_ Yes ___No

If no, complete the **Schedule of Compliance Form** as **ATTACHMENT F**.