ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number:	**Emission unit name:**	**List any control devices associated with this emission unit:**
226Y	E/N Tank B	226C/226D – vents via 226E

Provide a description of the emission unit (type, method of operation, design parameters, etc.):
Vertical tank used to equalize organic waste streams.

Manufacturer:	**Model number:**	**Serial number:**
Patterson Industries	NA	100-004B
Construction date:	**Installation date:**	**Modification date(s):**
1994	1994	None

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):
31,000 gallons

Maximum Hourly Throughput:	**Maximum Annual Throughput:**	**Maximum Operating Schedule:**
1,771 gph	14,918,000 gal	8,760 hr/yr

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

Does this emission unit combust fuel? ___Yes _X_ No	**If yes, is it?** ___ Indirect Fired ___Direct Fired
Maximum design heat input and/or maximum horsepower rating: Not Applicable	**Type and Btu/hr rating of burners:** Not Applicable

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.
Not Applicable

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

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Not Applicable			

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Emissions Data

Criteria Pollutants	Potential Emissions (After Control)	
	PPH	TPY
Carbon Monoxide (CO)	---	---
Nitrogen Oxides (NO_X)	---	---
Lead (Pb)	---	---
Particulate Matter ($PM_{2.5}$)	---	---
Particulate Matter (PM_{10})	---	---
Total Particulate Matter (TSP)	---	---
Sulfur Dioxide (SO_2)	---	---
Volatile Organic Compounds (VOC)	21.5	5.2
Hazardous Air Pollutants	Potential Emissions (After Control)	
	PPH	TPY
THAP	21.5	1.5
Formaldehyde	0.5	0.05
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.).

EmissionMaster emission modeling

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): 5.1.1, 5.1.2; R13-0936B: 4.1.1, 4.1.2; 45CSR§13-5.11.
2. Operational limits – R30-07300003-2009-SM01(Part 3 of 4): 5.1.3, 5.1.4; R13-0936B: 3.1.8, 4.1.3; 45CSR§13-5.11.

____ 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): 5.2.1, 5.2.2, 5.4.1, 5.4.2, 5.5.1; R13-0936B: 3.4.2, 3.5.6, 4.2.1, 4.2.2, 4.4.1; 45CSR§27-10.4.
2. R30-07300003-2009-SM01(Part 3 of 4): 5.2.1, 5.2.2, 5.4.1, 5.4.2; R13-0936B: 3.4.2, 4.2.1, 4.2.2, 4.4.1.

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**.