APPENDIX A

FORMS



OMB No. 2060-0336, Approval Expires 06/30/2015

Federal Operating Permit Program (40 CFR Part 71)

GENERAL INFORMATION AND SUMMARY (GIS)

A. Mailing Address and Contact Information

Facility name Veolia ES Technical Solutions

Mailing address: Street or P.O. Box ____#7 Mobile Avenue

City <u>Sauget</u> State <u>IL</u> ZIP <u>62201</u> - 1069

Contact person: <u>Douglas Harris</u> Title <u>General Manager</u>

Telephone (<u>618</u>) <u>271</u> - <u>2804</u> Ext. _____

Facsimile (<u>618</u>) <u>271</u> - <u>2128</u>

B. Facility Location

| City <u>Sauget</u> | State_IL_ County_St. ClairEPA Region_5_ |
|-------------------------------------|--|
| Is the facility located within: | |
| Indian lands?YESX_NO | OCS waters?YESX_NO |
| Non-attainment area? <u>X</u> YES _ | NO If yes, for what air pollutants? <u>Ozone</u> , PM2.5 |
| Within 50 miles of affected State? | X_YESNO If yes, What State(s)? _MO |

| Name Veolia ES Technical Solutions | Street/P.O. Box 700 East Butterfield Road, Suite 201 |
|--|--|
| City Lombard | StateIL ZIP60148 |
| Telephone (<u>630</u>) <u>218</u> - <u>1756</u> Ext_ | |

D. Operator

C

| Name <u>Veolia ES Technical Solutions</u> S | Street/P.O. Box <u>#7 Mobile Avenue</u> |
|---|---|
| City Sauget | StateILZIP _62201 - 1069 |
| Telephone (<u>618</u>) <u>271</u> - <u>2804</u> Ext | |

E. Application Type

| Mark only one permit application type and answer the supplementary question appropriate for the type marked. |
|--|
| Initial Permit X_Renewal Significant Mod Minor Permit Mod(MPM) |
| Group Processing, MPM Administrative Amendment |
| For initial permits, when did operations commence?// |
| For permit renewal, what is the expiration date of current permit? <u>10 / 12 / 2013</u> |
| F. Applicable Requirement Summary |

| Mark all types of applicable | requirements that apply. | | |
|--------------------------------|--------------------------|-------------------------|--------------------------|
| <u>X</u> SIP | FIP/TIP | PSD | Non-attainment NSR |
| <u>X</u> Minor source NSR | Section 111 | Phase I acid rain | Phase II acid rain |
| Stratospheric ozone | OCS regulations | <u>X</u> NESHAP | Sec. 112(d) MACT |
| Sec. 112(g) MACT | Early reduction of HAP | 9 Sec 112(j) MACT | RMP [Sec.112(r)] |
| Tank Vessel requireme | ents, sec. 183(f))Se | ection 129 Standards/Re | quirement |
| Consumer / comm pro | oducts, § 183(e) N | AAQS, increments or vi | sibility (temp. sources) |
| Has a risk management pla | n been registered?YES | NO Regulatory | agency |
| Phase II acid rain application | n submitted?YESX | NO If yes, Permitting | authority |

G. Source-Wide PTE Restrictions and Generic Applicable Requirements

Cite and describe any emissions-limiting requirements and/or facility-wide "generic" applicable requirements.

40 CFR 71.6(a)(3)(ii) General Part 71 Recordkeeping.

40 CFR 71.6(a)(3)(iii) General Part 71 Reporting.

40 CFR 71.6(a)(3)(I) Performance Testing Facilities Provided.

35 IAC 212.301 Fugitive particulate emissions beyond the property line prohibited.

35 IAC 237.102 Open burning is prohibited except as provided by regulation.

35 IAC 212.123(a) Opacity is limited to less than 30% from any emission unit unless subject to other requirements.

40 CFR Part 82 Standards for recycling and emissions reduction of ozone depleting substances.

35 IAC 244 Subpart C Maintain onsite a written Episode Action Plan.

40 CFR 61 Subpart FF Calculation of total annual benzene quantity and any applicable requirements as indicated.

H. Process Description

List processes, products, and SIC codes for the facility.

| Process | Products | SIC |
|----------------|----------------|------|
| Refuse Systems | Not applicable | 4953 |
| | | |
| | | |

I. Emission Unit Identification

Assign an emissions unit ID and describe each emissions unit at the facility. Control equipment and/or alternative operating scenarios associated with emissions units should by listed on a separate line. Applicants may exclude from this list any insignificant emissions units or activities.

| Emissions Unit ID | Description of Unit |
|--|--|
| Incineration Unit #2 | Fixed Hearth Incinerator with Maximum Heat Capacity of 16 mmBtu/hr. |
| SDA-2 | Spray Dryer Absorber air pollution control device for Unit #2. |
| BH-2 | Fabric Filter air pollution control device for Unit #2. |
| Incineration Unit #3 | Fixed Hearth Incinerator with Maximum Heat Capacity of 16 mmBtu/hr. |
| SDA-3 | Spray Dryer Absorber air pollution control device for Unit #3. |
| BH-3 | Fabric Filter air pollution control device for Unit #3. |
| Incineration Unit #4 | Rotary Kiln Incinerator (transportable) with Maximum Heat Capacity of 50 mmBtu/hr. |
| | Tempering Chamber for Unit #4. |
| | Activated Carbon Injection in Unit #4. |
| SDA-4 | Spray Dryer Absorber air pollution control device for Unit #4. |
| BH-4 | Fabric Filter air pollution control device for Unit #4. |
| Material Processing Area #1 (MP-1) | Waste Processing Areas #1 for processing/packaging of waste and repackaging of containerized waste. |
| Material Processing Area #2 (MP-2) | Waste Processing Areas #2 for processing/packaging of waste and repackaging of containerized waste. |
| | Activated Carbon Absorption pollution control device for MP-2. |
| Lab Pack Repack Area | Waste Processing processing/packaging and repackaging of lab pack wastes. |
| Drum Crusher | Empty drums are crushed in a three-sided partial enclosure. |
| Storage Tanks for Liquid Wastes and #2 Fuel Oil | Tanks: #2 (4,391 gals.), #4 (4,931 gals.), #6 (7,200 gals.), #8 (5,820 gals.), #10 (12,869 gals.), #20 (12,869 gals.), #30 (12,869 gals.), #40 (12,869 gals.), #50 (12,869 gals.), #60 (12,869 gals.), #300 (19,850 gals.), #302 (30,000 gals.), #304 (30,000 gals.), #306 (30,000 gals.), #308 (30,000 gals.), #310 (30,000 gals.), #312 (10,000 gals.), #314 (10,000 gals.). |
| | Activated Carbon Absorption pollution control devices for Storage Tank Vents. |
| Storage Tank for #2 Fuel Oil | Tank #390 (30,000 gals.) |

GIS

| Bulk Feed Building | Temporary storage of bulk solid wastes before being fed to Incineration Unit #4. |
|--------------------|--|
| BF Bldg - CA | Activated Carbon Absorption System pollution control devices for Bulk Feed Building. |
| BF Bldg – BH-1 | Baghouse with cyclone precleaner air pollution control devices for Bulk Feed Building. |
| Boiler #1 | Natural gas-fired Boiler with Maximum Heat Capacity of 10.6 mmBtu/hr used for generating steam for the facility. |
| EGEN1, EGEN2 | #2 Fuel oil-fired Emergency Generators with Maximum Heat Capacity of 0.40 mmBtu/hr. |
| Fugitive Emissions | Pumps, valves, open-end lines and compressors. |

J. Facility Emissions Summary

Enter potential to emit (PTE) for the facility as a whole for each air pollutant listed below. Enter the name of the single HAP emitted in the greatest amount and its PTE. For all pollutants stipulations to major source status may be indicated by entering "major" in the space for PTE. Indicate the total actual emissions for fee purposes for the facility in the space provided. Applications for permit modifications need not include actual emissions information.

| NOx <u>74.11</u> tons/yr VOC <u>15.63</u> tons/yr SO2 <u>66.19</u> tons/yr |
|--|
| PM-10 <u>12.55</u> tons/yr CO <u>30.85</u> tons/yr Lead <u>< 0.10</u> tons/yr |
| Total HAP <u>21.41</u> tons/yr |
| Single HAP emitted in the greatest amount <u>Benzene</u> PTE <u>0.38</u> tons/yr |
| Total of regulated pollutants (for fee calculation), Sec. F, line 5 of form FEE <u>N/A</u> tons/yr |
| K. Existing Federally-Enforceable Permits |
| Permit number(s) <u>V-IL-1716300103-08-01</u> Permit type <u>Title V</u> Permitting authority <u>EPA</u> |
| Permit number(s) Permit type Permitting authority |
| L. Emission Unit(s) Covered by General Permits |
| |
| Emission unit(s) subject to general permit <u>Not applicable</u> |
| Check one: Application made Coverage granted |
| General permit identifier Expiration Date// |
| M. Cross-referenced Information |
| Does this application cross-reference information? <u>X</u> YES <u>NO</u> (If yes, see instructions) |

 SERA
 United States

 Environmental Protection
 OMB No. 2060-0336, Approval Expires 6/30/2015

 Federal Operating Permit Program (40 CFR Part 71)

CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS (CTAC)

This form must be completed, signed by the "Responsible Official" designated for the facility or emission unit, and sent with each submission of documents (i.e., application forms, updates to applications, reports, or any information required by a part 71 permit).

| | sponsible O | fficial | | | | | |
|----------------------------|---|-------------------------------------|---------------------------|--------------------|-------------------|------------------------|---------------------------|
| Name: (MI) | (Last) | Harris | | (First) | <u>[</u> |)oug | |
| Title _ | General | Manager | | | | | |
| Street | or P.O. Box | #7 Mobile Av | venue | | | | |
| City | Sauget | | State | I <u>L</u> _ | ZIP _ | 62201 | 1069_ |
| Teleph | one (<u>618</u>) | 271 - 2804 | Ext | | Facsin | nile (| _) |
| B. Cer respon | r tification of sible official) | ⁻ Truth, Accurae | cy and Co | omplet | eness | (to be s | igned by the |
| I certif | / under pena able inquiry, | Ity of law, based the statements | l on inform and inform | nation a nation | and be contair | lief form ned in th | ed after lese document |
| reason are tru | e, accurate a | and complete. | 11 | | | | |
| reason are true Name | (signed) | _ Laug | Han | <u>s</u> | | | |

U.S. ENVIRONMENTAL PROTECTION AGENCY `PLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM IE - INSIGNIFICANT EMISSIONS

INSTRUCTIONS: List each source eligible for insignificant treatment under § 71.5(c)(11)(ii). In the "number" column, indicate the number of units qualifying under each description. Each description must be specific enough to describe the source of emissions. List emission units separately if they have dissimilar descriptions, including dissimilar capacities or sizes and other factors. Please check the appropriate column to indicate whether the source meets the emissions criteria under § 71.5(c)(11)(ii)(A) and (B) for regulated air pollutants except hazardous air pollutant (RAP, except HAP), and for HAP, respectively.

| Number | Description of Activities or Emission Units | RAP, except HAP | HAP |
|--------|--|-----------------------|-----|
| 1 | 2.5 mmBtu/hr Tioga portable boiler | | |
| 1 | Horizontal 550-gallon tank | | |
| 1 | Horizontal 550-gallon tank (No. 1 diesel) | | |
| 1 | Horizontal 550-gallon, tank (No. 2 fuel oil) | | |
| 1 | Horizontal 1,500-gallon tank (No. 1 diesel) | | |
| 1 | Ash Handling | | |
| 1 | Handling of spent dry scrubber solids (DSS) | | |
| 1 | Lime unloading (silo) and proportioning | | |
| 1 | Gasoline storage and dispensing | | |
| 1 | Use of absorbent | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM PTE - POTENTIAL TO EMIT SUMMARY

INSTRUCTIONS: Complete this form once for the facility. You may find it helpful to complete form EMISS for each emissions unit before completing this form. For each emissions unit with emissions that count towards applicability, list the emissions unit ID and the PTE for the air pollutants listed below. If there are other air pollutants not listed below for which the source is a major source, provide attachments naming the air pollutant and showing calculation of the total for that pollutant. Round values to the nearest tenth of a ton. Add all values together in each column and enter the total in the space provided at the bottom of the table. Also report these totals in section J of form GIS.

| Emissions Unit ID | Regulated Ai | Regulated Air Pollutants and Pollutants for which the Source is Major | | | | | |
|-----------------------|------------------|---|------------------|-------------------|-----------------|-------------------|------------------|
| | NOx (tons/yr) | VOC (tons∕yr) | SO2 (tons∕yr) | PM10 (tons∕yr) | CO (tons/yr) | Lead (tons∕yr) | HA₽ (tons∕yr) |
| Unit 2 | 4.0 | 0.9 | 7.7 | 2.53 | 6.6 | 0.0202 | 4.166 |
| Unit 3 | 4.0 | 0.9 | 7.7 | 2.53 | 6.6 | 0.0202 | 12.19 |
| Unit 4 | 61.6 | 3.1 | 50.76 | 7.15 | 13.86 | 0.0564 | 11.78 |
| Lab Pack Repack | | 1.45 | | | | | 0.2418 |
| Material Processing 1 | | 0.2387 | | | | | 0.0495 |
| Material Processing 2 | | 0.2387 | | | | | 0.0495 |
| Drum Crusher | | 3.87 | , | | } | | 0.9356 |
| Tank 2 | | 0.0230 | | | | | 2.18E-05 |
| Tank 4 | | 0.0252 | | | L | | 2.47E-04 |
| Tank 6 | | 0.0079 | | | | | 7.73E-06 |
| Tank 8 | | 0.0100 | | | | | 9.61E-06 |
| Tank 10 | | 0.1871 | | | | | 1.82E-05 |
| Tank 20 | | 0.0316 | | | | | 3.11E-05 |
| Tank 30 | | 0.2584 | | | | | 2.55E-04 |
| Tank 40 | | 0.0323 | | | | | 3.07E-05 |

| Tank 50 | | 0.0088 | | | | 8.03E-06 | |
|---------|-------|--------|-----------------|------|------|----------|--|
| TOTALS | TOTAL | ON | 2 ND | FORM | | | |

U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

RM PTE - POTENTIAL TO EMIT SUMMARY

INSTRUCTIONS: Complete this form once for the facility. You may find it helpful to complete form EMISS for each emissions unit before completing this form. For each emissions unit with emissions that count towards applicability, list the emissions unit ID and the PTE for the air pollutants listed below. If there are other air pollutants not listed below for which the source is a major source, provide attachments naming the air pollutant and showing calculation of the total for that pollutant. Round values to the nearest tenth of a ton. Add all values together in each column and enter the total in the space provided at the bottom of the table. Also report these totals in section J of form GIS.

| Emissions Unit ID | Regulated A | Regulated Air Pollutants and Pollutants for which the Source is Major | | | | | | |
|--------------------------|------------------|---|------------------|-------------------|-----------------|-------------------|------------------|--|
| | NOx (tons∕yr) | VOC (tons∕yr) | SO2 (tons∕yr) | PM10 (tons∕yr) | CO (tons∕yr) | Lead (tons∕yr) | HAP (tons∕yr) | |
| Tank 60 | | 0.0512 | | | | | 4.98E-05 | |
| Tank 300 | | 0.0287 | | | | | 2.71E-05 | |
| Tank 302 | | 0.1894 | | | | | 1.84E-04 | |
| Tank 304 | | 0.0567 | | | | | 5.45E-05 | |
| Tank 306 | | 0.0993 | | | | | 9.59E-05 | |
| Tank 308 | | 0.2218 | | | | | 2.14E-04 | |
| Tank 310 | | 0.2569 | | | | | 2.84E-04 | |
| Tank 312 | | 0.3517 | | | | | 3.42E-04 | |
| Tank 314 | | 0.2117 | | | | | 2.05E-04 | |
| Bulk Solids Storage | | 2.56 | - | | | | 0.0188 | |
| Fugitive Equipment Leaks | | 0.0738 | | | | | 0.0001 | |
| Boiler 1 | 4.51 | 0.248 | 0.027 | 0.343 | 3.79 | | | |
| | | · · · · · · · · · · · · · · · · · · · | <u> </u> | . | L | | | |
| | | | | | | | | |
| | | | | | <u> </u> | | | |

| TOTALS | 74.11 | 15.63 | 66.19 | 12.55 | 30.85 | 0.0968 | 21.41 | |
|--------|-------|-------|-------|-------|-------|--------|-------|--|



OMB No. 2060-0336, Approval Expires 06/30/2015

Federal Operating Permit Program (40 CFR Part 71)

INITIAL COMPLIANCE PLAN AND COMPLIANCE CERTIFICATION (I-COMP)

SECTION A - COMPLIANCE STATUS AND COMPLIANCE PLAN

Complete this section for each unique combination of applicable requirements and emissions units at the facility. List all compliance methods (monitoring, recordkeeping and reporting) you used to determine compliance with the applicable requirement described above. Indicate your compliance status at this time for this requirement and compliance methods and check "YES" or "NO" to the follow-up question.

Emission Unit ID(s): SEE SECTION V OF THE APPLICATION ADDENDUM NARRATIVE AND ATTACHMENT A

Applicable Requirement (Describe and Cite)

SEE SECTION IV OF THE APPLICATION NARRATIVE

Compliance Methods for the Above (Description and Citation):

SEE SECTION VI OF THE APPLICATION NARRATIVE

Compliance Status: SEE ATTACHMENT B

____ In Compliance: Will you continue to comply up to permit issuance? _____Yes _____No

____ Not In Compliance: Will you be in compliance at permit issuance? ____Yes ____No

____ Future-Effective Requirement: Do you expect to meet this on a timely basis? _____Yes _____No

Emission Unit ID(s): SEE SECTION VI OF THE APPLICATION ADDENDUM NARRATIVE AND ATTACHMENT A

Applicable Requirement (Description and Citation):

SEE SECTION IV OF THE APPLICATION NARRATIVE

Compliance Methods for the Above (Description and Citation):

SEE SECTION VI OF THE APPLICATION NARRATIVE

Compliance Status: SEE ATTACHMENT B

____ In Compliance: Will you continue to comply up to permit issuance? _____Yes _____No

____Not In Compliance: Will you be in compliance at permit issuance? ____Yes ____No

____ Future-Effective Requirement: Do you expect to meet this on a timely basis? _____Yes _____No

B. SCHEDULE OF COMPLIANCE

| Complete this section if you answered "NO" to any of the questions in section A. Also complete this section if required to submit a schedule of compliance by an applicable requirement. Please attach copies of any judicial consent decrees or administrative orders for this requirement. | | | | | | |
|--|---|---|--|--|--|--|
| Unit(s)NA | Requirement | | | | | |
| Reason for Noncompliance . that future-effective requireme | Reason for Noncompliance . Briefly explain reason for noncompliance at time of permit issuance or that future-effective requirement will not be met on a timely basis: | | | | | |
| Narrative Description of how achieving compliance: | v Source Compliance Will be Achieved. Br | iefly explain your plan for | | | | |
| Schedule of Compliance. F sequence of actions with miles | Provide a schedule of remedial measures, inclustones, leading to compliance, including a date | iding an enforceable for final compliance. | | | | |
| | Remedial Measure or Action | Date to be Achieved | | | | |
| | | , | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

C. SCHEDULE FOR SUBMISSION OF PROGRESS REPORTS

Only complete this section if you are required to submit one or more schedules of compliance in section B or if an applicable requirement requires submittal of a progress report. If a schedule of compliance is required, your progress report should start within 6 months of application submittal and subsequently, no less than every six months. One progress report may include information on multiple schedules of compliance.

| Contents of Progress Report (describe): NOT APPLICABLE | |
|---|--|
| First Report/ Frequency of Submittal | |
| Contents of Progress Report (describe): | |
| First Report// Frequency of Submittal | |

D. SCHEDULE FOR SUBMISSION OF COMPLIANCE CERTIFICATIONS

This section must be completed once by every source. Indicate when you would prefer to submit compliance certifications during the term of your permit (at least once per year).

Frequency of submittal ANNUALLY Beginning / /

E. COMPLIANCE WITH ENHANCED MONITORING & COMPLIANCE CERTIFICATION REQUIREMENTS

| This section must be completed once by every source. To certify compliance with these, you must be able to certify compliance for every applicable requirement related to monitoring and compliance certification at every unit. | | | | | |
|--|-----------------|-------------------|--|--|--|
| Enhanced Monitoring Requirements: | X In Compliance | Not In Compliance | | | |
| Compliance Certification Requirements: | X In Compliance | Not In Compliance | | | |

Source Description

The Veolia facility is comprised of emission units that have been grouped into twelve defined source emission points. There have been no physical changes to the existing emission units as described in the original Title V permit application. No emission units have been added since the original Title V permit became effective (October 12, 2008). The grouped sources, therefore, are provided below as they are listed in Permit #V-IL-1716300103-08-01, Section (1.0)(B).

| UnitModelConstructionEquipmentIncineration Unit #2 (16 mmBtu/hr)Trade Waste Incineration9/1986Joy-Niro Spray Dryer Absorber (SDA-2), Pulse Flo Fabric Filter (BH-2)Hazardous Waste CombustorsIncineration Unit #3 (16 mmBtu/hr)Trade Waste9/1986Joy-Niro Spray Dryer (BH-2)Incineration Unit #4 (16 mmBtu/hr)Trade Waste9/1986Joy-Niro Spray Dryer (BH-3)Incineration Unit #4 (50 mmBtu/hr)International Waste Energy, PY*ROX6/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing Areas #1 and #21988NoneMaterial Processing AreasInd MP-2)Drum Crusher for Liquid MastesInsk: #2, #4, #6, #3, #10, #30, #30, #302, #304, #306, #302, #304, #306, #308, #3141988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding Insk1988NoneBulk Feed Bulk Feed Bulk fred Inskind submergel loading ipits prior to being If do Incineration Unit #41992 replaced in- kind 3/2009None <th>Emission</th> <th>Description</th> <th>Manufacturer</th> <th>Date of</th> <th>Emission Control</th> | Emission | Description | Manufacturer | Date of | Emission Control |
|---|--------------------------|------------------------|----------------------|-----------------|-----------------------------|
| Incineration Unit #2 (16 mmBtu/hr)Trade Waste Incineration TWI-2000, Series 2Joy-Niro Spray Dryer Absorber (SDA-2), Pulse Flo Fabric Filter (BH-2)Hazardous Waste CombustorsIncineration Unit #3 (16 mmBtu/hr)Trade Waste Incineration TWI-2000, Series 29/1986Joy-Niro Spray Dryer (BH-3)Incineration Unit #4 (50 mmBtu/hr)International Waste Energy, PY*ROX9/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing for Liquid WastesMaterial Processing (MP-1 and MP-2)1988NoneDrum Crusher for Liquid WastesCrushing of RCRA- empty containers1988NoneStorage Tank for Liquid WastesTanks: #2, #4, #6, #30, #310, #312, #304, #306, #302, #304, # | Unit | | /Model | Construction | Equipment |
| Internation TWI-2000, Series 2Absorber (SDA-2), Pulse Flo Fabric Filter Series 2Hazardous Waste CombustorsIncineration Unit #3 (16 mmBtu/hr)Trade Waste Incineration TWI-2000, Series 29/1986Joy-Niro Spray Dryer Absorber (SDA-3), Pulse Flo Fabric Filter (BH-3)CombustorsIncineration Unit #4 (50 mmBtu/hr)International Material (50 mmBtu/hr)6/1988Tempering Chamber, Atvisate Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneAreas Torum Crusher Or Liquid WastesIab Pack Repack Areas1988NoneTranks #390 for Liquid (Ho mith wolf, #314, #310, #312, #314Modern Welding (10 & 20) (#304, #306, #306, #304, #306, #306, #310, #312, #3141988Activated Carbon Adsorbers on each (BF Bldg-BH-1), Activated Carbon Adsorbers on each (BF Bldg-CA)Storage Tank for #2 Fuel OilTanks #390Modern Welding (BF Bldg-CA)1988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding (BF Bldg-CA)1982NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding (BF Bldg-CA)1982NoneGasoline (BF Bldg)Temporary storage (BF Bldg-CA)1992 replaced (BF Bldg-CA)NoneGasoline torum trank (BF Bldg-CA)1992 replaced (BF Bldg-CA)NoneTankk for #2 Fuel OilTemporary storage (BF Bldg-CA)1992 replaced (BF Bldg-CA)None <td></td> <td>Incineration Unit #2</td> <td>Trade Waste</td> <td>9/1986</td> <td>Joy-Niro Spray Dryer</td> | | Incineration Unit #2 | Trade Waste | 9/1986 | Joy-Niro Spray Dryer |
| HazardousTwil-2000, Series 2Pulse Flo Fabric Filter (BH-2)Incineration Unit #3 (16 mmBtu/hr)Irade Waste Incineration TW1-2000, Series 29/1986Joy-Niro Spray Dryer Absorber (SDA-3), Pulse Flo Fabric Filter Series 2CombustorsIncineration Unit #4 (50 mmBtu/hr)International Waste Energy, PY*ROX6/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneAreas for Liquid WastesTasks: #2, #4, #6, #3, #10, #20, #30, #314Modern Welding in- kind 4/20021988Activated Carbon Adsorber (SDA-4), Fabric Filter (BH-4)Storage Tanks for Liquid WastesTasks: #2, #4, #6, #30, #310, #312, #314Modern Welding in- kind 4/20021988Activated Carbon Adsorbers on each in- kind 4/2002Storage Tanks for Liquid WastesTanks: #390Modern Welding in- kind 4/20021988Activated Carbon Adsorbers on each in- kind 6/2004 30 replaced in- kind 6/2004 30 replaced in- kind 6/2004 in thind in thind in thind in thind (BF Bldg-CA)NoneStorage Tank for J2 Fuel OilTanks #390Modern Welding in hits prior to being fed to Incineration in hits mit south wastes in pits prior to being fed to Incineration in thit with submerged loading pipe1992 replaced in-kind 6/2012NoneStorage Tank for J3 J4Solo-gallon tank with submerged loading in kind (20121992 replaced in-kind <br< td=""><td></td><td>(16 mmBtu/hr)</td><td>Incineration</td><td></td><td>Absorber (SDA-2),</td></br<> | | (16 mmBtu/hr) | Incineration | | Absorber (SDA-2), |
| Hazardous Waste CombustorsIncineration Unit #3 (16 mmBtu/hr)Trade Waste Incineration TW1-2000, Series 29/1986 9/1986Joy-Niro Spray Dryer Absorber (SDA-3), Pulse Flo Fabric Filter (BH-3)Incineration Unit #4 (50 mmBtu/hr)International International Waste Energy, PY*ROX6/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneMaterial Processing for Liquid WastesCrushing of RCRA- empty containers1988NoneStorage Tanks for Liquid WastesTanks: #2, #4, #6, #40, #50, #60, #300, #314Modern Welding H8, #10, #20, #306, #3141988Activated Carbon Adsorbers on each in- kind d/2002Storage Tanks for Liquid WastesTanks: #390Modern Welding H8, #3141988Activated Carbon Adsorbers on each in- kind d/2009Storage Tanks for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being fed to IncinerationModern Welding H9881988NoneStorage Tank for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being fed to Incineration1988Cyclone, Airtol Baghouse (BF Bldg-CA)Gasoline torage Tank for #2 FuelTemporary storage of bulk solid wastes in pits prior to being fed to Incineration1992 replaced in-kind 6/2012NoneGasoline tankS50-gallon tank1992 replaced in-kind 6/2012NoneTank | | | TWI-2000, | | Pulse Flo Fabric Filter |
| HazardousIncineration Unit #3 (16 mmBtu/hr)Trade Waste Incineration TW1-2000, Series 29/1986Joy-Niro Spray Dryer Absorber (SDA-3), Pulse Flo Fabric Filter (BH-3)CombustorsIncineration Unit #4 (50 mmBtu/hr)International Waste Energy, PY*ROX6/1988 Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Pabric Filter (BH-4)Material Processing AreasMaterial Processing Lab Pack Repack Area1988NoneMaterial for Liquid WastesCrushing of RCRA- #8,70,800,1988NoneDrum Crusher for Liquid WastesCrushing of RCRA- #8,710,#300, #304,#306, #302,#304,#306, #302,#314Modern Welding Ham Welding Ham Welding1988 Activated Carbon Adsorbers on eachStorage Tank for Liquid WastesTanks: #2,#4,#6, #308,#310,#312, #314Modern Welding Ham Welding1988 Ham Activated Carbon Adsorbers on eachStorage Tank for Liquid WastesTanks #390Modern Welding Ham Activated Carbon Adsorbers on each1988 Ham Activated Carbon Adsorbers on eachStorage Tank for #2 Fuel OilTanks #390Modern Welding Ham Activated Carbon Adsorbers on each1988 Ham Activated Carbon Adsorbers on eachMaterial for J2 Fuel OilTemporary storage replaced in- kind 3/20091988 Ham Activated Carbon Adsorption Unit (BF Bldg)NoneStorage Tank for turb with submerged loading pipeTanks #390Modern Welding Ham1992 replaced Ham HamNoneGasoline to later to nis with with s | | | Series 2 | | (BH-2) |
| Hazardous Waste Combustors(16 mmBtu/hr) mBtu/hr)Incineration TW1-2000, Series 2Absorber (SDA-3), Pulse Flo Fabric Filter (BH-3)CombustorsIncineration Unit #4 (50 mmBtu/hr)International Waste Energy, PY*ROX6/1988 Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material ProcessingMaterial Processing (MP-1 and MP-2)1988NoneAreas #1 and #2 ProcessingIndemator (MP-1 and MP-2)1988NoneDrum Crusher Storage Tanks To Liquid WastesCrushing of RCRA- empty containers1988Activated Carbon Activated Carbon (MP-1 and MP-2)Storage Tanks for Liquid WastesTanks: #2, #4, #6, #40, #50, #300, #308, #310, #312, #314Modern Welding 10&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Activated Carbon Adsorbers on eachStorage Tank for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being replaced in- kind submerged loading pipeModern Welding 1988NoneBuilding (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being replaced in-kind fed to Incineration Unit #41992 replaced in-kind (BF Bldg-CA)NoneGasoline Storage Tank fred to Incineration pipe1992 replaced in-kind 6/2012NoneDiesel Fuel Tanks550-gallon tank with submerged loading pipe1992 replaced in-kind 6/2012NoneTankStorage Tank in kind1992 replaced in-kind 6/2012None | | Incineration Unit #3 | Trade Waste | 9/1986 | Joy-Niro Spray Dryer |
| Waste CombustorsTWI-2000, Series 2Pulse Flo Fabric Filter (BH-3)Incineration Unit #4 (50 mmBtu/br)International Material Processing (MP-1 and MP-2)6/1988 (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneDrum Crusher For Liquid WastesCrushing of RCRA- empty containers1988NoneStorage Tanks for Liquid WastesTanks: #2, #4, #6, #30, #304, #306, #304, #306, #304, #306, #308, #310, #312, #314Modern Welding 19881988 Activated Carbon Adsorber of 2&4 replaced in-kind 4/2002Storage Tank for Liquid WastesTanks: #390 of bulk solid wastes in pits prior to being replaced langed boing for #2 Fuel OilModern Welding 1988NoneStorage Tank for #2 Fuel OilTanks #390 modern WeldingModern Welding 1988NoneStorage Tank for #2 Fuel OilTanks #390 modern Welding1988 1988NoneStorage Tank for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being in pits prior to being replaced in-kind dof 20012NoneStorage Tank for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being replaced in-kind dof 20121992 replaced in cits role adoing in kind1992 replaced in-kind GozoneStorage Tank for #2 Fuel OilS50-gallon tank with submerged loading pipe1992 replaced in kindNoneStorage Tank replaced Tank in kind1992 replaced in | Hazardous | (16 mmBtu/hr) | Incineration | | Absorber (SDA-3), |
| CombustorsSeries 2(BH-3)Incineration Unit #4International (50 mmBtu/hr)International Waste Energy, PY*ROX6/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing Areas #1 and #2 Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneMaterial Processing AreasCrushing of RCRA- empty containers1988NoneDrum CrusherCrushing of RCRA- empty containers1988Activated Carbon Adsorbers on eachStorage Tanks for Liquid WastesTanks: #2, #4, #6, #40, #50, #306, #302, #304, #306, #302, #304, #306, #314Modern Welding 19881988Activated Carbon Adsorbers on eachStorage Tanks for Liquid WastesTanks: #2, #4, #6, #40, #50, #306, #302, #304, #306, #314Modern Welding 10&20 replaced in- kind 6/2004Socialen table (BE Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg)for #2 Fuel OilTanks #390Modern Welding 19881988NoneGasoline tor to being fed to Incineration unit #4Instrument (BF Bldg)1988Cyclone, Airtol Baghouse (BF Bldg-CA)Building tor pipeof bulk solid wastes in pits prior to being fed to Incineration pipe1992 replaced in kindNoneGasoline torage Tank for #2 Fuel OilSto-gallon tank with submerged loading pipe1992 replaced in kindNoneGasoline torage Tank torage Tank for fatak (In pits prior to being fipe19 | Waste | | TWI-2000, | | Pulse Flo Fabric Filter |
| Incineration Unit #4International6/1988Tempering Chamber, Activated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material ProcessingMaterial Processing1988NoneMaterial ProcessingAreas #1 and #21988NoneAreasLab Pack Repack Area1988NoneAreasLab Pack Repack empty containers1988NoneStorage TanksTanks: #2, #4, #6, moto, #308, #310, #312, #314Modern Welding kind 6/20021988Activated Carbon Adsorbers on eachWastes#40, #50, #60, #300, #308, #310, #312, #314Modern Welding kind 6/2004 30 replaced in- kind 3/20091988Activated Carbon Adsorbers on eachStorage Tank for LiquidTanks #390Modern Welding hodern Welding1988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding hodern Welding1988NoneStorage Tank for #2 Fuel OilTemporary storage in pits prior to being fed to Incineration pipe1988Cyclone, Airtol Baghouse (BF Bldg-CA)Builk Feed Storage Tank for #2 FuelStorage Iank in pits prior to being fed to Incineration pipe1992 replaced in-kind in-kind in-kindNoneGasoline TanksSto-gallon tank with submerged loading pipe1992 replaced in-kind in-kind in-kindNoneDiesel Fuel TankSto-gallon tank1992 replaced in-kind in-kind in-kind in-kindNoneGasoline TankSto-gallon tank1992 re | Combustors | | Series 2 | | <u>(BH-3)</u> |
| (50 mmBtu/hr)Waste Energy, PY*ROXActivated Carbon Injection, Spray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasAreas #1 and #21988NoneMaterial Processing AreasLab Pack Repack Area1988NoneDrum Crusher of LiquidCrushing of RCRA- empty containers1988Activated Carbon Adsorber in-kindStorage Tanks for LiquidTanks: #2, #4, #6, #302, #304, #306, #302, #304, #306, #314Modern Welding in-kind1988Activated Carbon Adsorbers on each in-kindStorage Tanks for LiquidTanks: #390 #302, #304, #306, #314Modern Welding in-kind1988Activated Carbon Adsorbers on each in-kindStorage Tank for #2 Fuel OilTanks #390Modern Welding in-kind s/20091988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding in pits prior to being in p | | Incineration Unit #4 | International | 6/1988 | Tempering Chamber, |
| PY*ROXSpray Dryer Absorber (SDA-4), Fabric Filter (BH-4)Material Processing AreasMaterial Processing Areas #1 and #2 (MP-1 and MP-2)1988NoneAreasLab Pack Repack Area1988NoneDrum Crusher for Liquid WastesCrushing of RCRA- empty containers1988NoneStorage Tanks for Liquid WastesTanks: #2, #4, #6, #302, #304, #306, #308, #310, #312, #314Modern Welding 2&4 replaced in-kind 4/2002Activated Carbon Adsorbers on each in-kind 4/2002Storage Tank for Liquid Wastes#30, #30, #306, #308, #310, #312, #31410820Activated Carbon Adsorbers on each in-kind 4/2002Storage Tank for #2 Fuel OilTanks #390Modern Welding None1988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg)Buik Feed Storage Tank for in pits prior to being fed to Incineration Unit #41992 replaced in-kind 6/2012NoneGasoline Storage Tank (BF Bldg)550-gallon tank with submerged loading pipe1992 replaced in kind 6/2012NoneDiesel Fuel Tank Tank550-gallon tank1992 replaced in kind in kind in kindNone | | (50 mmBtu/hr) | Waste Energy, | | Activated Carbon Injection, |
| Material Material Processing AreasMaterial Processing Areas #1 and #2 (MP-1 and MP-2)1988 Image: NoneNoneAreasLab Pack Repack Area1988NoneDrum Crusher Storage Tanks for Liquid WastesCrushing of RCRA- empty containers1984NoneStorage Tanks for Liquid WastesTanks: #2, #4, #6, #30, #30, #30, #306, #302, #304, #306, #302, #304, #306, #314Modern Welding Image: None1988 2&4 replaced in- kind 4/2002Activated Carbon Adsorbers on eachStorage Tank for Liquid WastesTanks: #390 #302, #304, #306, #314Modern Welding Image: None1988 2&4 replaced in- kind 6/2004 30 replaced in- kind 3/2009NoneStorage Tank for #2 Fuel OilTemporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988NoneGasoline Storage Tank for bigStorage Imak submerged loading pipe1992 replaced in-kind 6/2012NoneDissel Fuel Tanks1992 replaced in pits prior to being fed to Incineration pipe1992 replaced in-kind 6/2012NoneDissel Fuel Tank TankStorageIon tank with submerged loading pipe1992 replaced in kind 6/2012NoneCasoline TankSto-gallon tank1992 replaced in kind in kindNoneTank Tank1992 replaced in kindNone | | | PY*ROX | | Spray Dryer Absorber |
| Material Material Processing AreasMaterial Processing (MP-1 and MP-2)1988NoneAreasLab Pack Repack Area1988NoneDrum CrusherCrushing of RCRA- empty containers1984NoneStorage Tanks for Liquid WastesTanks: #2, #4, #6, #40, #50, #60, #300, #306, #306, #306, #310, #312,Modern Welding 19881988 Activated Carbon Adsorbers on eachWastes#40, #50, #60, #300, #308, #310, #312, #314Modern Welding 10&2010&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Storage Tank for #2 FuelTanks #390Modern Welding 1988NoneBulk Feed Building (BF Bldg)Tanks #390Modern Welding 1988NoneGasoline Storage Tank for #2 FuelTemporary storage replaced in kind 6/2004 30 replaced in- kind 3/2009NoneBuilk Feed Building (BF Bldg)Temporary storage replaced in heit of Incineration umit #41992 replaced in -kind 6/2012NoneGasoline Torage Tank for #2550-gallon tank with submerged loading pipe1992 replaced in kind in kindNoneGasoline Torank (In significant)550-gallon tank in kind1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneTank (In significant)550-gallon tank1992 replaced in kindNoneTank (In significant)550-gallon tank1992 replaced in kindNone | | | | | (SDA-4), |
| Material Material ProcessingMaterial 4701988NoneMaterial Processing(MP-1 and MP-2)AreasLab Pack Repack Area1988NoneDrum CrusherCrushing of RCRA- empty containers1984NoneStorage Tanks for LiquidTanks: #2, #4, #6, #40, #50, #60, #300, #302, #304, #306, #308, #310, #312,Modern Welding 19881988Activated Carbon Adsorbers on each in- kind 4/2002Wastes#40, #50, #60, #300, #308, #310, #312, #314Modern Welding 10&22010&220 replaced in- kind 6/2004 30 replaced in- kind 3/2009Storage Tank for #2 Fuel OilTanks #390Modern Welding 19881988NoneStorage Tank for #2 Fuel OilTanks #390Modern Welding 19881988NoneGasoline Storage Tank fed to Incineration Unit #41982Cyclone, Airtol Baghouse (BF Bldg-CA)Bildg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Torige Tank fred to Incineration unit #41992 replaced in-kind 6/2012NoneGasoline Tank550-gallon tank with submerged loading pipe1992 replaced in-kind 6/2012NoneDiesel Fuel Tank550-gallon tank1992 replaced in kind 6/2012NoneKerosene Tank550-gallon tank1992 replaced in kindNone | | | | | Fabric Filter (BH-4) |
| Material ProcessingAreas #1 and #2 (MP-1 and MP-2)Image: Construct of the section of | | Material Processing | | 1988 | None |
| Processing Areas(Mr-1 and Mr-2)Image: Construct of the second | Material | Areas $\#1$ and $\#2$ | | | |
| Area1988NoneDrum CrusherCrushing of RCRA- empty containers1984NoneStorage TanksTanks: #2, #4, #6, #8, #10, #20, #30, #302, #304, #306, #302, #304, #306, #302, #304, #314Modern Welding 19881988Activated Carbon Adsorbers on each in-kindWastes#40, #50, #60, #30, #302, #304, #306, #314Modern Welding 10&201988Activated Carbon Adsorbers on eachWastes#302, #304, #306, #314, #31410&20Image: Constant on the second on the se | Processing | (MP-1 and MP-2) | | 1099 | Nama |
| AleaImage: Constraint of the section of t | Areas | | | 1988 | INONE |
| Drive ClashieCrushieCrushieCrushieProvideempty containersin Storage TanksTanks: #2, #4, #6, #8, #10, #20, #30, #302, #304, #306, #302, #304, #306, #308, #310, #312,Modern Welding 2&4 replaced in - kind 4/2002 10&220Adsorbers on eachWastes#40, #50, #60, #300, #302, #304, #306, #308, #310, #312,Io&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Io&20 replaced in- kind 3/2009Storage Tank for #2 FuelTanks #390Modern Welding I 988NoneOilImage: Storage Tank for #2 FuelTemporary storage in pits prior to being fed to Incineration Unit #4I988Cyclone, Airtol Baghouse (BF Bldg)Bulk Feed (BF Bldg)Temporary storage in pits prior to being fed to Incineration Unit #4I992 replaced in-kind 6/2012NoneGasoline Storage Tank (BF Bldg)550-gallon tank with submerged loading pipeI992 replaced in kindNoneGasoline Tank550-gallon tank1992 replaced in kindNoneTank (Insignificant)550-gallon tank1992 replaced in kindNone | Drum Crusher | A I ca | | 108/ | None |
| Storage TanksImage 2000, 200, 200, 200, 200, 200, 200, 20 | Diam Ciusiici | empty containers | | 1704 | Trone |
| Storage Tame for Liquid#8, #10, #20, #30, #40, #50, #60, #300, #302, #304, #306, #302, #304, #306, #308, #310, #312, #314Provide Carbon Adsorbers on each in- kind 4/2002 10&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Adsorbers on eachStorage Tank for #2 Fuel OilTanks #390Modern Welding of bulk solid wastes in pits prior to being fed to Incineration Unit #41988NoneGasoline Storage Tank (BF Bldg)Temporary storage in pits prior to being fed to Incineration Unit #41992 replaced in-kind 6/2012NoneGasoline Storage Tank (BF Bldg)550-gallon tank with submerged loading pipe1992 replaced in-kind 6/2012NoneModern Welding (Insignificant)550-gallon tank1992 replaced in kind 6/2012NoneKerosene Tank550-gallon tank1992 replaced in kind in kind 6/2012None | Storage Tanks | Tanks: $\#2 \#4 \#6$ | Modern Welding | 1988 | Activated Carbon |
| Wastes#40, #50, #60, #300, #302, #304, #306, #308, #310, #312, #314in- kind 4/2002 10&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Storage Tank for #2 Fuel OilTanks #390Modern Welding Hodern Welding1988NoneBulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank rank550-gallon tank with submerged loading pipe1992 replaced in-kind 6/2012NoneDiesel Fuel Tank550-gallon tank1992 replaced in kindNoneTank Tank550-gallon tank1992 replaced in kindNone | for Liquid | #8, #10, #20, #30, | incourse in crossing | 2&4 replaced | Adsorbers on each |
| #302, #304, #306, #308, #310, #312, #3144/2002 10&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Storage Tank for #2 Fuel OilTanks #390Modern Welding Modern Welding1988NoneBulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank for #2 Fuel550-gallon tank with submerged loading pipe1992 replaced hind 6/2012NoneDiesel Fuel Tank550-gallon tank1992 replaced hind 6/2012NoneKerosene Tank550-gallon tank1992 replaced hind hindNone | Wastes | #40, #50, #60, #300. | | in- kind | |
| #308, #310, #312, #31410&20 replaced in- kind 6/2004 30 replaced in- kind 3/2009Storage Tank for #2 Fuel OilTanks #390Modern Welding Modern Welding1988Bulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988NoneGasoline Storage Tank (BF Bldg)550-gallon tank pipe1992 replaced in-kindNoneDiesel Fuel Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneTank Kerosene550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNone | | #302, #304, #306, | | 4/2002 | |
| #314replaced in-kind 6/2004 30 replaced in-kind 3/2009Storage Tank for #2 Fuel OilTanks #390Modern Welding Hodern Welding1988NoneBulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank torage Tank (Insignificant)550-gallon tank with submerged loading pipe1992 replaced in kind 6/2012NoneDiesel Fuel Tank (Insignificant)550-gallon tank1992 replaced in kind 6/2012NoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNone | | #308, #310, #312, | | 10&20 | |
| kind 6/200430 replaced in- kind 3/2009Storage Tank for #2 FuelTanks #390OilModern Welding in Pits prior to being fed to Incineration Unit #41988Storage Tank for bulk solid wastes1988Storage Tank for #2 FuelTemporary storage of bulk solid wastesBulk Feed (BF Bldg)Temporary storage in pits prior to being fed to Incineration Unit #41988Gasoline Storage Tank submerged loading pipe1992 replaced in-kind in-kindNoneDiesel Fuel Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKarosene550-gallon tank1992 replaced in kindNoneKarosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNone | | #314 | | replaced in- | |
| Storage Tank for #2 Fuel OilTanks #390Modern Welding Modern Welding1988NoneBulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank Tank550-gallon tank with pipe1992 replaced in kindNoneDiesel Fuel Tank (Insignificant)550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneTank (Insignificant)550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNone | | | | kind 6/2004 | |
| Image: storage Tank for #2 FuelTanks #390Modern Welding Modern Welding1988NoneOilImage: storage of bulk solid wastes1988Cyclone, Airtol Baghouse (BF Bldg)Building (BF Bldg)Temporary storage of bulk solid wastes1988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated (BF Bldg-BH-1), Activated(BF Bldg)in pits prior to being fed to Incineration Unit #41992 replaced 6/2012NoneGasoline550-gallon tank with submerged loading pipe1992 replaced 6/2012NoneDiesel Fuel Tank (Insignificant)550-gallon tank1992 replaced in kindNoneKerosene Tank550-gallon tank1992 replaced in kindNone | | | | 30 replaced in- | |
| Storage Tank for #2 Fuel OilTanks #390Modern Welding Nodern Welding1988NoneBulk Feed Building (BF Bldg)Temporary storage of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank submerged loading pipe550-gallon tank with submerged loading pipe1992 replaced in kind 6/2012NoneDiesel Fuel Tank (Insignificant)550-gallon tank1992 replaced in kind 6/2012NoneKerosene Tank550-gallon tank1992 replaced in kindNone | | | | kind 3/2009 | |
| for #2 Fuel OilTemporary storage of bulk solid wastes1988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg)Building (BF Bldg)of bulk solid wastes in pits prior to being fed to Incineration Unit #41988Cyclone, Airtol Baghouse (BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline Storage Tank unit #4550-gallon tank with submerged loading pipe1992 replaced 6/2012NoneDiesel Fuel Tank (Insignificant)550-gallon tank1992 replaced in kind 6/2012NoneKerosene Tank550-gallon tank1992 replaced in kindNone | Storage Tank | Tanks #390 | Modern Welding | 1988 | None |
| OilImage: constraint of the sector of the secto | for #2 Fuel | | | | |
| Bulk FeedTemporary storage1988Cyclone, Airtol BaghouseBuildingof bulk solid wastes(BF Bldg)(BF Bldg-BH-1), Activated(BF Bldg)in pits prior to being fed to Incineration Unit #4 | Oil | | | | |
| Building (BF Bldg)of bulk solid wastes in pits prior to being fed to Incineration Unit #4(BF Bldg-BH-1), Activated Carbon Adsorption Unit (BF Bldg-CA)Gasoline550-gallon tank with submerged loading pipe1992 replaced 6/2012NoneDiesel Fuel550-gallon tank1992 replaced in kindNoneTank (Insignificant)550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNoneKerosene550-gallon tank1992 replaced in kindNone | Bulk Feed | Temporary storage | | 1988 | Cyclone, Airtol Baghouse |
| (BF Bldg)in pits prior to being fed to Incineration Unit #4Carbon Adsorption Unit (BF Bldg-CA)Gasoline550-gallon tank with submerged loading pipe1992 replaced 6/2012NoneDiesel Fuel550-gallon tank1992 replaced in-kind 6/2012NoneDiesel Fuel550-gallon tank1992 replaced in kindNoneTank (Insignificant)6/2012Kerosene550-gallon tank1992 replaced in kindNoneTank1992 replaced in kindNone | Building | of bulk solid wastes | | | (BF Bldg-BH-1), Activated |
| fed to Incineration Unit #4(BF Bldg-CA)Gasoline550-gallon tank with submerged loading pipe1992 replaced 6/2012NoneDiesel Fuel550-gallon tank1992 replaced in-kind 6/2012NoneDiesel Fuel550-gallon tank1992 replaced in kind 6/2012NoneTank (Insignificant)6/2012Image: Comparison of the second | (BF Bldg) | in pits prior to being | | | Carbon Adsorption Unit |
| Unit #41992 replacedGasoline550-gallon tank with1992 replacedStorage Tanksubmerged loading pipein-kindDiesel Fuel550-gallon tank1992 replacedDiesel Fuel550-gallon tank1992 replacedTankin kind6/2012Kerosene550-gallon tank1992 replacedNone1992 replacedNoneKerosene550-gallon tank1992 replacedTankin kind1992 replaced | | fed to Incineration | | | (BF Bldg-CA) |
| Gasoline550-gallon tank with1992 replacedNoneStorage Tanksubmerged loading pipein-kindin-kindDiesel Fuel550-gallon tank1992 replacedNoneTankin kind6/2012in kind(Insignificant)6/20126/2012Kerosene550-gallon tank1992 replacedNoneTankin kindin kind6/2012Kerosene550-gallon tank1992 replacedNoneTankin kindin kindin kind | | Unit #4 | | | |
| Storage Tanksubmerged loading pipein-kindDiesel Fuel550-gallon tank1992 replacedNoneTank (Insignificant)6/20126/20121992 replacedKerosene550-gallon tank1992 replacedNoneTank Tankin kind1992 replacedNone | Gasoline | 550-gallon tank with | | 1992 replaced | None |
| pipe6/2012Diesel Fuel550-gallon tank1992 replacedNoneTankin kind6/20121992 replacedNone(Insignificant)6/20121992 replacedNoneKerosene550-gallon tank1992 replacedNoneTankin kindin kind1992 replaced | Storage Tank | submerged loading | | in-kind | |
| Diesel Fuel550-gallon tank1992 replacedNoneTankin kind6/2012Kerosene550-gallon tank1992 replacedNoneTankin kindin kind | D' 1E 1 | | | 6/2012 | NT. |
| TankIn Kind(Insignificant)6/2012Kerosene550-gallon tank1992 replacedTankin kind | Diesei Fuel | 550-gallon tank | | in kind | INORE |
| Kerosene 550-gallon tank 1992 replaced None Tank in kind in kind | I ank (Insignificant) | | | 6/2012 | |
| Tank in kind | (insignificant) | 550 gallon tanla | | 1002 replaced | None |
| | Tank | 550-ganon tank | | in kind | INOTE |
| (Insignificant) 6/2012 | (Insignificant) | | | 6/2012 | |

| Emission Unit | Description | Manufacturer /Model | Date of Construction | Emission Control Equipment |
|----------------------------|---|------------------------|-------------------------|-------------------------------|
| Boiler #1 | Natural gas-fired Boiler (10.6 mmBtu/hr) | Cleaver Brooks, 250 | 11/1995 | None |
| Emergency Generators -2 | #2 Fuel oil-fired (0.4 MMBtu/hr ea.) | | 1988 | None |
| Fugitive Emissions | Pumps, Valves, Flanges, Open- ended Lines, Compressors | | N/A | None |

Descriptions of emission units and control equipment are provided on the standard application forms EUD-1 and EUD-2 found in Section VI of this document.

A description of the compliance status of the source with respect to all applicable requirements as required in 40 CFR 71.5(c)(8)(i).

| | COMPLIANCE S OF APPLI | COMPLIANCE | |
|---|--------------------------|----------------------|-------------------------|
| | IN COMPLIANCE | NOT IN COMPLIANCE | PLAN STATEMENT |
| Facility Wide Requirements | | | |
| Fugitive Particulate Matter [35 IAC 212.301] | \checkmark | | Will continue to comply |
| Open Burning Prohibitions [35 IAC 237.102] | \checkmark | | Will continue to comply |
| Organic Emissions from Pumps and Compressors [35 IAC 219.142] | ✓ | | Will continue to comply |
| NESHAP from Off-site Waste and Recovery Operations: Equipment Leaks [40 CFR 63.691(b)(1); 40 CFR 61 Subpart V] | ✓ | | Will continue to comply |
| Prevention of Significant Deterioration and Nonattainment New Source Review | \checkmark | | Will continue to comply |
| Incinerators: Unit 2, 3, 4 Requirements | | | |
| Visible Emissions Limitations [35 IAC 212.123] | \checkmark | | Will continue to comply |
| Fugitive Particulate Matter [35 IAC 212.301 and 212.314] | ✓ | | Will continue to comply |
| Sulfur Dioxide Annual Emission Limitations [Construction Permits #87100024 and #88010001] | ✓ | | Will continue to comply |
| Carbon Monoxide Limit [40 CFR 63.1219(a)(5)] | ✓ | | Will continue to comply |
| 'bon Monoxide Limitations for Incinerators (35 IAC 216.1411, Construction Permits #83120053, #87100024 and #88010001] | \checkmark | | Will continue to comply |
| Carbon Monoxide Annual Emission Limitations [Construction Permits #87100024 and #88010001] | \checkmark | | Will continue to comply |
| Particulate Matter Limitations for Incinerators [35 IAC 212.181(b); Construction Permit #83120053] | \checkmark | | Will continue to comply |
| Particulate Matter Limitation [40 CFR 63.1219(a)(7)] | \checkmark | | Will continue to comply |
| Particulate Annual Emission Limitations [Construction Permits #87100024 and #88010001] | ✓ | | Will continue to comply |
| Use of Organic Material [35 IAC 219.301 and 219.302] | ✓ | | Will continue to comply |
| Volatile Organic Material Annual Emission Limitations [Construction Permits #87100024 and #88010001] | ✓ | | Will continue to comply |
| Nitrogen Oxide Annual Emission Limitation [Construction Permits #87100024 and #88010001] | ✓ | | Will continue to comply |
| Dioxin/Furan Emission Limitation [40 CFR 63.1219(a)(1) | ✓ | | Will continue to comply |
| Mercury Emission Limitation [40 CFR 63.1219(a)(2) | ✓ | | Will continue to comply |
| Semi-Volatile Metal Emission Limitation [40 CFR 63.1219(a)(3) | ✓ | | Will continue to comply |
| Low Volatile Metal Emission Limitation [40 CFR 63.1219(a)(4) | \checkmark | | Will continue to comply |
| zene Waste Operations [40 CFR 61.348(a)(1)(iii)] | \checkmark | | Will continue to comply |
| Off-Site Waste Recovery Operations [40 CFR 63.689(c)(2)] | \checkmark | | Will continue to comply |
| Hydrogen Chloride Emission Limitation [40 CFR | \checkmark | | Will continue to comply |

| 63.1219(a)(6)] | | |
|--|--------------|-------------------------|
| Hydrogen Chloride Emission Limitation [Construction mits #83120053 and #87100024] | ✓ | Will continue to comply |
| E Standard [40 CFR 63.1219(c)(1) through (c)(3)] | ✓ | Will continue to comply |
| Operating Parameter Limits [40 CFR 63.1206(a) & (b), and 63.1209(j) through (p)] | \checkmark | Will continue to comply |
| Documentation of Compliance [40 CFR 63.1206(c)(1) and 63.1211(c)] | ✓ | Will continue to comply |
| Startup, Shutdown and Malfunction [40 CFR 63.1206(c)(2) and 63.6(e)(3)] | ✓ | Will continue to comply |
| Automatic Waste Feed Cut-off System [40 CFR 63.1206(c)(3) and 35 IAC 201.149] | ✓ | Will continue to comply |
| Emergency Safety Vent Operations [40 CFR 63.1206(c)(4)] | ✓ | Will continue to comply |
| Combustion System Leaks [40 CFR 63.1206(c)(5)] | ✓ | Will continue to comply |
| Personnel Training [40 CFR 63.1206(c)(6)] | \checkmark | Will continue to comply |
| Operation and Maintenance Plan [40 CFR 63.1206(c)(7) and 63.6(e)] | \checkmark | Will continue to comply |
| CEMS and COMS [40 CFR 63.1209(a)(1)(i) and (a)(1)(iii) | \checkmark | Will continue to comply |
| CEMS and COMS [40 CFR 63.1209(a)(2)] | \checkmark | Will continue to comply |
| CEMS and COMS [40 CFR 63.1209(a)(5) and 63.8(f)] | \checkmark | Will continue to comply |
| CEMS and COMS [40 CFR 63.1209(a)(6)] | ✓ | Will continue to comply |
| CMS [40 CFR 63.1209(b)(1) and (b)(2) | ✓ | Will continue to comply |
| CMS [40 CFR 63.1209(b)(3)] | ✓ | Will continue to comply |
| CMS [40 CFR 63.1209(b)(4)] | ✓ | Will continue to comply |
| CMS [40 CFR 63.1209(b)(5)] | ✓ | Will continue to comply |
| BLDS [40 CFR 63.1206(c)(8)] | \checkmark | Will continue to comply |
| Feedstream Analysis Plan [40 CFR 63.1209(c)] | \checkmark | Will continue to comply |
| CEMS and CMS Performance Evaluations [40 CFR 63.1209(d), 63.8(d) and 63.8(e)] | ✓ | Will continue to comply |
| Conduct of Monitoring [40 CFR 63.1209(e) and 63.8(b)] | \checkmark | Will continue to comply |
| oMS Operation and Maintenance [40 CFR 63.1209(f) and 63.8(c)] | \checkmark | Will continue to comply |

| Reduction of Monitoring Data [40 CFR 63.1209(h) and 63.8(g)] | \checkmark | Will continue to comply |
|--|--------------|-------------------------|
| rating Parameters for Multiple Standards [40 CFR | ~ | Will continue to comply |
| Operating Parameter Limit Averaging Periods [40 CFR 63.1209(r)] | ~ | Will continue to comply |
| Changes to the Source [40 CFR 63.1206(b)(5)(i)(B)] | 1 | Will continue to comply |
| CO and THC Emission Standard Compliance [40 CFR 63.1206(b)(6)] | 1 | Will continue to comply |
| Performance Tests [40 CFR 63.1207(b)] | 1 | Will continue to comply |
| Performance Test Frequency [40 CFR 63.1207(d)] | 1 | Will continue to comply |
| Comprehensive Performance Test Plans [40 CFR 63.1207(f)(1)] | ~ | Will continue to comply |
| Confirmatory Performance Test Plans [40 CFR 63.1207(f)(2)] | ~ | Will continue to comply |
| Operating Conditions During Testing [40 CFR 63.1207(g)(a) and (g)(b) and (h)] | ~ | Will continue to comply |
| Test Methods [40 CFR 63.1208] | ~ | Will continue to comply |
| 'ure of Performance Test [40 CFR 63.1207(l)(1), | ~ | Will continue to comply |
| Notification Requirements [40 CFR 63.1210(a) and 63.9 and 63.10] | \checkmark | Will continue to comply |
| Reporting Requirements [40 CFR 63.1211(a) and 63.10] | \checkmark | Will continue to comply |
| Recordkeeping Requirements [40 CFR 63.1211(b) and 63.10] | ~ | Will continue to comply |
| Waste Processing Unit Requirements (MP-1 and MP-2 | 2) | |
| Visible Emissions Limitations [35 IAC 212.123] | \checkmark | Will continue to comply |
| Use of Organic Material [35 IAC 219.301] | \checkmark | Will continue to comply |
| Off-site Waste and Recovery Operations [40 CFR 63 Subpart DD] | ~ | Will continue to comply |
| Benzene Waste Operations [40 CFR 61 Subpart FF] | ~ | Will continue to comply |
| Containers – Level 1 Controls [40 CFR 63.922 and 63.925] | \checkmark | Will continue to comply |
| Containers – Level 1 Controls [40 CFR 71.6(a)(3)] | ~ | Will continue to comply |
| Emission Calculation Requirements [40 CFR ⁷¹ .6(a)(3)(i)(B)] | ~ | Will continue to comply |
| o Pack Repack Processing Unit (LPR) | | |
| Visible Emissions Limitations [35 IAC 212.123] | | Will continue to comply |
| Use of Organic Material [35 IAC 219.301] | \checkmark | Will continue to comply |

| Off-site Waste and Recovery Operations [40 CFR 63 Subpart DD] | \checkmark | Will continue to comply |
|--|--------------|-------------------------|
| zene Waste Operations [40 CFR 61 Subpart FF] | \checkmark | Will continue to comply |
| Containers – Level 1 Controls [40 CFR 63.922 and 63.925] | \checkmark | Will continue to comply |
| Containers – Level 1 Controls [40 CFR 71.6(a)(3)] | \checkmark | Will continue to comply |
| Emission Calculation Requirements [40 CFR 71.6(a)(3)(i)(B)] | \checkmark | Will continue to comply |
| Liquid Waste Storage Tank Requirements | | |
| Use of Organic Material [35 IAC 219.301] | \checkmark | Will continue to comply |
| Organic Material Emission from Pumps and Compressors [35 IAC 219.142] | \checkmark | Will continue to comply |
| Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] | \checkmark | Will continue to comply |
| Storage Tanks [35 IAC 219.122 and 219.129] | \checkmark | Will continue to comply |
| NESHAP for Benzene Waste Operations [40 CFR 61 | \checkmark | Will continue to comply |
| -Site Waste and Recovery Operations [40 CFR 63 Subpart DD] | ✓ | Will continue to comply |
| Monitoring and Testing [40 CFR 71.6(a)(3)(i)(A) and (B)] | ✓ | Will continue to comply |
| Recordkeeping [40 CFR 71.6(a)(3)] | ✓ | Will continue to comply |
| Organic Material Emissions [CP #88030101] | ✓ | Will continue to comply |
| Bulk Solid Waste Storage Facility Requirements | | |
| Particulate Emission from Process Units for Which Construction or Modification Commenced On or After April 14, 1972 | \checkmark | Will continue to comply |
| Use of Organic Material [35 IAC 219.301] | \checkmark | Will continue to comply |
| Visible Emissions Limitations [35 IAC 212.123] | \checkmark | Will continue to comply |
| NESHAP for Benzene Waste Operations [40 CFR 61 Subpart FF] | \checkmark | Will continue to comply |
| NESHAP for Off-site Waste and Recovery Operations [40 CFR 63 Subpart DD] | \checkmark | Will continue to comply |
| Work Practice and Operational Requirements [40 CF 71.6(a)(1)] | \checkmark | Will continue to comply |
| Monitoring and Testing [40 CFR 71.6(a)(3)(i)(A) and (B)] | ✓ | Will continue to comply |
| ecordkeeping [40 CFR 71.6(a)(3)] | ✓ | Will continue to comply |
| Drum Crusher Requirements | | |

| Use of Organic Material [35 IAC 219.301] | \checkmark | Will continue to comply |
|---|-----------------------|-------------------------|
| Particulate Matter Limitations [35 IAC 219.301] | \checkmark | Will continue to comply |
| ble Emissions Limitations [35 IAC 212.123] | \checkmark | Will continue to comply |
| Monitoring and Testing [40 CFR 71.6(a)(3)(i)(A) and (B)] | ✓ | Will continue to comply |
| Recordkeeping [40 CFR 71.6(a)(3)] | ✓ | Will continue to comply |
| Boiler Requirements | | |
| Fuel Combustion Emission Sources (> 10 MMBtu/hr) [35 IAC 216.121] | \checkmark | Will continue to comply |
| Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units [40 CFR 60 Subpart Dc] | \checkmark | Will continue to comply |
| Visible Emissions Limitations [35 IAC 212.123] | \checkmark | Will continue to comply |
| Emission and Operational Limitations [CP# 95080025] | \checkmark | Will continue to comply |
| Emission Limitations [40 CFR 63.52] | ✓ | Will continue to comply |
| Emission Limitations [40 CFR 63 Subpart DDDDD] | \checkmark | Will continue to comply |
| Monitoring and Testing [40 CFR 71.6(a)(3)(i)(A) and (B)] | \checkmark | Will continue to comply |
| Recordkeeping [40 CFR 71.6(a)(3)] | \checkmark | Will continue to comply |
| Emergency Generator Requirements | | |
| Reciprocating Internal Combustion Engines [40 CFR 63 Subpart ZZZ] | \checkmark | Will continue to comply |
| Work Practice Standards [40 CFR 63.6602] | \checkmark | Will continue to comply |
| Chocordkeeping and Reporting [40 CFR 63.6655] | \checkmark | Will continue to comply |
| soline Storage Tank Requirements | | |
| Storage of Gasoline [35 IAC 219.122] | <u>√</u> | Will continue to comply |
| Gasoline Dispensing Operations [35 IAC 219.583] | \checkmark | Will continue to comply |
| Recordkeeping and Reporting [40 CFR 71.6(a)(3)] | \checkmark | Will continue to comply |
| | | |

| U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71 APPLICATION FORM EUD-1 - EMISSIONS UNIT DESCRIPTION FOR FUEL COMBUSTION SOURCES INSTRUCTIONS: Complete this form for each significant emissions unit best described as a fuel combusting unit. A. General Information Incineration Fixed Hearth Incineration Unit used in the | | | | | | |
|--|--|--|--|--|--|--|
| APPLICATION FORM EUD-1 - EMISSIONS UNIT DESCRIPTION FOR FUEL COMBUSTION SOURCES INSTRUCTIONS: Complete this form for each significant emissions unit best described as a fuel combusting unit. A. General Information Incineration Fixed Hearth Incineration Unit used in the | | | | | | |
| INSTRUCTIONS: Complete this form for each significant emissions unit best described as a fuel combusting unit. A. General Information Incineration Fixed Hearth Incineration Unit used in the | | | | | | |
| A. General Information Incineration Fixed Hearth Incineration Unit used in the | | | | | | |
| Incineration Fixed Hearth Incineration Unit used in the | | | | | | |
| Emissions unit ID Unit 2 Description destruction of hazardouse waste | | | | | | |
| SIC Code (4-digit) 4953 SCC Code 50300101 | | | | | | |
| B. Emissions Unit Description | | | | | | |
| Primary use Hazardous Waste Inceneration Temporary source 🗌 Yes 🔀 No | | | | | | |
| Manufacturer Trade Waste Incineration, Inc. Model No. TWI-2000, Series 2 | | | | | | |
| Serial Number NA Installation date / 1986 | | | | | | |
| Boiler Type: | | | | | | |
| Industrial Boiler Drocess Burner Electric utility boiler | | | | | | |
| Other (describe) Waste Incinerator | | | | | | |
| Boiler horsepower rating Boiler steam flow (lb/hr) | | | | | | |
| Type of Fuel-Burning Equipment (coal burning only): | | | | | | |
| Hand fired Spreader stoker Underfeed stoker Overfeed stoker | | | | | | |
| Traveling grate Shaking grate Pulverized, wet bed Pulverized, dry bed | | | | | | |
| Actual (average) Heat InputMM BTU/hr Maximum design heat input16MM BTU/hr | | | | | | |
| C. Fuel Data | | | | | | |

| astructions: Describe each fuel expected to | be used during the | term of the perm | it. |
|---|----------------------------|-------------------------|-------------------------------------|
| Fuel Type | Max. Sulfur Content (%) | Max. Ash Content (%) | BTU Value (per cf, gal., or lb.) |
| Natural Gas | NA | NA | 1050 BTU/cf |
| | | | |
| | | | |
| | | | |

Emission Unit ID_____

D. Fuel Usage Rates

| Fuel Type | Annual Actual Usage | Maxir | num Usage |
|-------------|---------------------|--------|-----------|
| | | Hourly | Annual |
| Natural Gas | 66 mmcft | 0.0152 | 133 mmcft |
| | | | |
| | | | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | SDA-2 | Device type | 5 | Spray Drye | r Absorber |
|-----------------------|-----------|------------------|--------------|------------|------------|
| Air pollutant(s) Cor | ntrolled | HCl and SO2 | Manufa | cturer | Joy-Niro |
| Model No. | Custom | Serial No | | | |
| Installation date | 09/ / | 86 Control effic | iency (%) | 99%. | |
| Efficiency estimation | on method | Per | formance Tes | st 1/9/93 | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | BH-2 | Dev | vice type | | Baghou | se |
|---------------------|------------|------|-----------------|------------|------------|----------|
| Air pollutant(s) Co | ontrolled | PM/P | M10/Lead | Manuf | acturer | Puls Flo |
| Model No | Custom | 1 | Serial No | | | |
| Installation date | 09/ | / 86 | Control efficie | ency (%) _ | <0.08. gr | |
| Efficiency estimat | ion method | | Perform | mance Te | est 1/9/93 | |

F. Ambient Impact Assessment

| Instructions: This information must applicable requirement for this emis | be completed by temporary sources or when ambient impact assessment is an assions unit. |
|--|---|
| Stack height (ft)N/A. | Inside stack diameter (ft) |
| Stack temp (°F) | Design stack flow rate (ACFM) |
| Actual stack flow rate (ACFM) | · Velocity (ft/sec) |

2

| U.S. ENVIRONMEN APPLICATION FOR FEDERAL | TAL PROTECT OPERATING F | TON AGENCY PERMIT, 40 CFR | PART 71 | | | | | | | |
|---|---|------------------------------|-------------------------------------|-----------|--|--|--|--|--|--|
| APPLICATION FORM EUD-1 - EMISSIONS UN | APPLICATION FORM EUD-1 - EMISSIONS UNIT DESCRIPTION FOR FUEL COMBUSTION SOURCES | | | | | | | | | |
| INSTRUCTIONS: Complete this form for each st | ignificant emissi | ons unit dest desc | ribed as a fuel combust | ing unit. | | | | | | |
| A. General Information | ······ | · | | | | | | | | |
| Incineration Fixed Hearth Incineration Unit used in the | | | | | | | | | | |
| Emissions unit ID Unit 3 Descripti | on <u> </u> | lestruction of h | azardouse waste | | | | | | | |
| SIC Code (4-digit) SCC Co | de | - | | | | | | | | |
| B. Emissions Unit Description | | | | | | | | | | |
| Primary use Hazardous Waste In | ceneration | Tempo | rary source 🔲 Yes | No No | | | | | | |
| Manufacturer Trade Waste Incineration, | Inc. Model | No. TW | I-2000, Series 2 | | | | | | | |
| Serial Number NA | Insta | allation date9/ | / 1986 | | | | | | | |
| Boiler Type: | | | | | | | | | | |
| Industrial Boiler Prod | cess Burner | Electric u | tility boiler | | | | | | | |
| Other (describe) | Waste Incir | nerator | - | | | | | | | |
| Boiler horsepower rating | Boiler steam | flow (lb/hr) | | _ | | | | | | |
| Type of Fuel-Burning Equipment (coal burning c | only): | | | | | | | | | |
| Hand fired Spreader stoker | Underfeed s | toker O | verfeed stoker | | | | | | | |
| Traveling grate Shaking grate | Pulverized, | wet bed P | ulverized, dry bed | | | | | | | |
| Actual (average) Heat InputMM | BTU/hr Maxi | mum design heat | input <u>16</u> MM | BTU/hr | | | | | | |
| | | | | | | | | | | |
| C. Fuel Data | C. Fuel Data | | | | | | | | | |
| Primary fuel type(s) Natural Gas Standby fuel type(s) | | | | | | | | | | |
| Instructions: Describe each fuel expected to be | Instructions: Describe each fuel expected to be used during the term of the permit. | | | | | | | | | |
| Fuel Type | Max. Sulfur Content (%) | Max. Ash Content (%) | BTU Value (per cf, gal., or lb.) | | | | | | | |
| Natural Gas | NA | NA | 1050 BTU/cf | | | | | | | |
| | | | | | | | | | | |

Emission Unit ID_____

D. Fuel Usage Rates

Instructions: For each fuel described above, enter actual and maximum fuel usage rates on a worst-case hourly and annual basis. Indicate the dimension for the fuel usage rate (e.g., gallons, cords, cubic feet).

| Fuel Type | Annual Actual Usage | Maximum Usage | | |
|-------------|---------------------|---------------|-----------|--|
| | | Hourly | Annual | |
| Natural Gas | 59 mmcft | 0.0152 | 133 mmcft | |
| | | | | |
| | | | | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | SDA | <u>-3</u> 1 | Device type | | Spray Dryer | Absorber |
|------------------------------|-----------|-------------|------------------|------------|-------------|----------|
| Air pollutant(s) Co | ontrolled | H | ICl & SO2 | Manufa | acturer | Joy-Niro |
| Model No | Custo | om | Serial No. | | | |
| Installation date | 09/ | / 86 | _ Control effici | ency (%) _ | 99%. | _ |
| Efficiency estimation method | | | Perfo | rmance te | est 1/9/93 | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | BH-3 | De | vice type | | Bagho | use |
|---------------------|------------|------|-----------------|-----------|------------|-----------|
| Air pollutant(s) Co | ontrolled | PM/F | PM10/Lead | Manuf | acturer | Pulse Flo |
| Model No. | Custor | n | Serial No | | | |
| Installation date | 09/ | / 86 | Control efficie | ncy (%) _ | <0.08. | |
| Efficiency estimat | ion method | | Perform | nance T | est 1/9/93 | |

F. Ambient Impact Assessment

| Instructions: This in applicable requirement | formation must ent for this emis | be completed by temporary sources or when ambient impact assessment is an sions unit. |
|--|-------------------------------------|---|
| Stack height (ft) | N/A. | Inside stack diameter (ft) |
| Stack temp (°F) | • | Design stack flow rate (ACFM) |
| Actual stack flow rat | e (ACFM) | Velocity (ft/sec) |

2

U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-1 - EMISSIONS UNIT DESCRIPTION FOR FUEL COMBUSTION SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a fuel combusting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Incineration Unit 4 4953 | Description | Fixed Hear destru 50300101 | th Incineration Unit used in the ction of hazardouse waste |
|---|--------------------------------|------------------|----------------------------------|--|
| . Emissions Unit Descri | ption | | I. | |
| Primary use | Hazardous | Waste Incene | ration | Temporary source 🔲 Yes 🔟 No |
| Manufacturer | International W | aste Energy | Model No | PY*ROX |
| Serial Number | NA | <u> </u> | Installation | date 6/ / 1988 |
| Boiler Type: | | | | |
| Ind | lustrial Boiler | Process B | urner | _ Electric utility boiler |
| Ot | her (describe) | Rotar | y Kiln Incinera | ator |
| Boiler horsepower | rating | Be | oiler steam flow (| lb/hr) |
| Type of Fuel-Burn | ing Equipment (coa | l burning only): | | |
| Hand fired | Spreader | stoker 🔲 U | nderfeed stoker | Overfeed stoker |
| Traveling gra | ate 🔲 Shaking g | grate 🔲 Pı | ulverized, wet bed | l Pulverized, dry bed |
| Actual (average) | Heat Input | MM BTU/ | hr Maximum d | lesign heat input50MM BTU/hr |

C. Fuel Data

| dructions: Describe each fuel expected to | be used during the | term of the perm | <u>itt.</u> |
|---|----------------------------|-------------------------|-------------------------------------|
| Fuel Type | Max. Sulfur Content (%) | Max. Ash Content (%) | BTU Value (per cf, gal., or lb.) |
| Natural Gas | NA | NA | 1050 BTU/cf |
| | | | |

Emission Unit ID_____

D. Fuel Usage Rates

| Fuel Type | Annual Actual Usage | Maxim | um Usage |
|-------------|---------------------|--------|----------|
| | | Hourly | Annual |
| Natural Gas | 156 mmcft | 0.0476 | 417.14 |
| | | | |
| | | | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | SDA-4 | Device type | Spray Dryer Absorber |
|-----------------------|-----------|--------------------|----------------------|
| Air pollutant(s) Con | ntrolled | HCl and SO2 | Manufacturer |
| Model No. | Custom | Serial No | |
| Installation date | 6/ / | 88 Control efficie | ency (%) |
| Efficiency estimation | on method | | |

E. Associated Air Pollution Control Equipment

| Air pollutant(s) Cont | | | N 4 1 / Y 1 | | | W/11-1 |
|-----------------------|---------|------|------------------|---------|--------|--------------|
| i in ponutum(b) com | rolled | PM/P | MIU Lead | Manufa | cturer | wneelabrator |
| Model No | stom De | sign | Serial No | | | |
| Installation date | 6/ / | 88 | Control efficien | ncy (%) | 99%. | |

E. Associated Air Pollution Control Equipment

| Emission unit ID | BH-4 | Dev | vice type | Carbo | on Injection |
|---------------------|------------|--------|------------------|--------------------------------------|-----------------------|
| Air pollutant(s) Co | ontrolled | Hg and | Dioxin/Furan | Manufacturer | Norit Americas, Inc. |
| Model No. | NA | | Serial No | NA | |
| Installation date | 2/ 00 | 6/01 | Control efficien | Hg – Unk ncy (%) <u>Dioxin/Fu</u> | nown urans – 99.2% |
| Efficiency estimati | ion method | | Perf | formance Test | |

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F. Ambient Impact Assessment

| Stack height (ft) | N/A. | Inside stack diameter (ft) |
|-------------------|------|-------------------------------|
| Stack temp (°F) | • | Design stack flow rate (ACFM) |

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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID | Lab Pack Repack | Description _ | Repacking of Lab Packs |
|--------------------|--------------------|---------------|------------------------|
| SIC Code (4-digit) | | SCC Code _ | 30180001 |

B. Emissions Unit Description

| Manufacturer | Custom Built | Model No. | Custom Built | |
|----------------------|----------------|-------------------|--------------|--|
| Serial No. | | Installation date | / / | |
| Articles being coate | d or degreased | | | |
| Application method | | | | |
| | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID Device T | ype |
|---|--|
| Manufacturer | Model No |
| Serial No. | Installation date / / |
| Control efficiency (%) Ca | pture efficiency (%) |
| Air pollutant(s) controlled | Efficiency estimation method |
| D. Ambient Impact Assessment | |
| Instructions: This information must be comple applicable requirement for this emissions unit. | ted by temporary sources or when ambient impact assessment is an |
| Stack height (ft) N/A. Inside | stack diameter (ft) |
| Stack temp (°F) Design | n stack flow rate (ACFM) |
| Actual stack flow rate (ACFM) | · Velocity (ft/sec) |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

∠

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|---------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| N/A | | | | | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID | Material Processing Area 1 | Description | Repackaging of containerized solid wastes |
|---|--|---|--|
| SIC Code (4-digit) | | SCC Code | 50300810 |
| missions Unit Descrip | tion | | |
| Equipment type | Custom | Duilt | Temporary source: Yes No |
| Manufacturer Serial No. | Custoin | | Model No Custom Built Installation date / / 1988 |
| Articles being coate | d or degreased | | |
| Application method | | | |
| Overspray (surface | coating) (%) | Dryi | ng method |
| | | | |
| No. of dryers | Tank ca | apacity (degrease | rs) (gal) |
| No. of dryers ssociated Air Pollutio Emissions unit ID | Tank ca <u>n Control Equi</u> NONE | apacity (degrease pment Device Type | rs) (gal) |
| No. of dryers ssociated Air Pollutio Emissions unit ID Manufacturer | Tank ca <u>n Control Equi</u> NONE | apacity (degrease pment Device Type _ | rs) (gal) Model No |
| No. of dryers ssociated Air Pollutio Emissions unit ID Manufacturer Serial No | Tank ca <u>n Control Equi</u> NONE | apacity (degrease pment Device Type _ | rs) (gal) Model No Installation date/ / |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (| Tank ca n Control Equi NONE | apacity (degrease pment Device Type _ Capture | rs) (gal) Model No Installation date/ / efficiency (%) |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (Air pollutant(s) con | Tank ca | pment Device Type Capture Effic | rs) (gal) Model No Installation date/ / efficiency (%) ciency estimation method |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (Air pollutant(s) con | Tank ca | apacity (degrease: pment Device Type _ Capture Effic | rs) (gal) Model No Installation date/ / efficiency (%) ciency estimation method |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (Air pollutant(s) con mbient Impact Asses Instructions: This applicable requirer | Tank ca | pment Device Type Device Type Effic t be completed by ssions unit. | rs) (gal) Model No Installation date/ / efficiency (%) ciency estimation method y temporary sources or when ambient impact assessment is a |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (Air pollutant(s) con mbient Impact Asses Instructions: This applicable requirer Stack height (ft) | Tank ca | pment Device Type _ Capture Effic t be completed by ssions unit. Inside stack | rs) (gal) Model No Installation date/ / efficiency (%) ciency estimation method y temporary sources or when ambient impact assessment is a diameter (ft) |
| No. of dryers ssociated Air Pollution Emissions unit ID Manufacturer Serial No Control efficiency (Air pollutant(s) con mbient Impact Assess Instructions: This applicable requirer Stack height (ft) Stack temp (°F) | Tank ca | pment Device Type _ Capture Effic t be completed by ssions unit. Inside stack Design stacl | rs) (gal) Model No Installation date/ / efficiency (%) ciency estimation method y temporary sources or when ambient impact assessment is a diameter (ft) k flow rate (ACFM) |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

4

| VOC-Containing Substance | CAS No. | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|---------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| N/A | | | | | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID | Material Processing Area 2 | Description | Repackaging of c | containerized solid wastes |
|--|--|---|---|--|
| SIC Code (4-digit) | | SCC Code | 50300810 | |
| Emissions Unit Descript | tion | | | |
| Equipment type Manufacturer | Custor | ı Built | Temp Model No. | oorary source: <u> </u> |
| Serial No. | | | Installation date | / / 1988 |
| Articles being coated Application method | d or degreased | | | |
| Overspray (surface on No. of dryers | Tank ca | Dryi | ng method rs) (gal) | |
| Associated Air Pollutio | n Control Equi | nment | | |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | | | |
| Emissions unit ID | NONE | Device Type | | |
| Emissions unit ID | NONE | Device Type _ | Model No | |
| Emissions unit ID _ Manufacturer Serial No | NONE | Device Type _ | Model No Installation date | / / |
| Emissions unit ID Manufacturer Serial No Control efficiency (9 | NONE | Device Type _ | Model No Installation date efficiency (%) | / / |
| Emissions unit ID Manufacturer Serial No Control efficiency (9 Air pollutant(s) cont | NONE | Device Type CaptureEffi | Model No Installation date efficiency (%) ciency estimation metho | / / od |
| Emissions unit ID Manufacturer Serial No Control efficiency (9 Air pollutant(s) cont | NONE | Device Type Capture | Model No Installation date efficiency (%) ciency estimation metho | / / od |
| Emissions unit ID Manufacturer Serial No. Control efficiency (9 Air pollutant(s) cont Ambient Impact Assess Instructions: This i applicable requirem | NONE NONE NONE Sment Information must hent for this emis | Device Type Capture Effinentiation of the completed becompleted becompl | Model No Installation date efficiency (%) ciency estimation metho y temporary sources or | / / od when ambient impact assessment is a |
| Emissions unit ID Manufacturer Serial No. Control efficiency (9 Air pollutant(s) cont Ambient Impact Assess Instructions: This i applicable requirem Stack height (ft) | NONE NONE NONE None | Device Type _ Device Type _ Capture Effine t be completed b ssions unit Inside stack | Model No Installation date efficiency (%) ciency estimation metho y temporary sources or | / / od when ambient impact assessment is a |
| Emissions unit ID Manufacturer Serial No Control efficiency (? Air pollutant(s) cont Ambient Impact Assess Instructions: This i applicable requirem Stack height (ft) Stack temp (°F) | NONE NONE NONE None None None None None N/A. | Device Type _ Device Type _ Capture Efficient to be completed b ssions unit. Inside stack Design stac | Model No Installation date efficiency (%) ciency estimation metho y temporary sources or diameter (ft) k flow rate (ACFM) | / / od when ambient impact assessment is a |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

4

| VOC-Containing Substance | CAS No. | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|---------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| N/A | | | | | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Bulk Feed Building | Description | Temporary St 50300830 | torage of being fe | bulk ed to u | solid wa anit 4 | astes before |
|---|-----------------------|------------------|--------------------------|-----------------------|-----------------|--------------------|--------------|
| Emissions Unit Descrip | otion | | | | | | |
| Equipment type | | | | Tempora | ry sourc | xe: | Yes 🔟 No |
| Manufacturer | Custon | n Built | Model No. | | Cu | stom Bı | uilt |
| Serial No. | | | Installation | date | / | / | _ |
| Articles being coate | ed or degreased | | | 1001711 | | L | |
| Application method | | <u> </u> | | | | | |
| Overspray (surface | coating) (%) _ | Dry | ving method | | | <u> </u> | |
| | Tank | anacity (degreas | sers) (gal) | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | BF Bldg- BH1 | Device Type | | baghou | 1se |
|-----------------------|-----------------|--------------|----------------------|--------|--------|
| Manufacturer | Airtol Inc. | | Model No. | | 49ASO7 |
| Serial No | | | Installation date | 11/ | / 1988 |
| Control efficiency (9 | ۰) <u> </u> | Capture ef | ficiency (%) | | |
| Air pollutant(s) cont | rolled PM/ | PM10 Efficie | ncy estimation metho | od | |

D. Ambient Impact Assessment

| Instructions: This information must applicable requirement for this emis | be completed by temporary sources or when ambient impact assessment is an sions unit. |
|--|---|
| Stack height (ft)70. | Inside stack diameter (ft) |
| Stack temp (°F)ambient. | _ Design stack flow rate (ACFM)5,000. |
| Actual stack flow rate (ACFM) | 2,500. Velocity (ft/sec) |
E. VOC-containing Substance Data Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. Substance Type | Actual Usage | Maximu | VOC Content | | |
|--|------------------------|--|----------|-------------|----------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| N/A | | | | | | |
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| APPLICA | U.S. ENVIRONMEN TION FOR FEDERAL | TAL PROTECT OPERATING F | ION AGENCY PERMIT, 40 CFR | PART 71 | DOEG | | |
|-------------------------------|---|----------------------------|------------------------------|-------------------------------------|-----------|--|--|
| INSTRUCTIONS: Com | Jete this form for each si | enificant emissi | ons unit best desc | ribed as a fuel combusti | ing unit. | | |
| A. General Information | | 5 | | | | | |
| Emissions unit ID Bo | Diler #1 Description | Boiler us | ed for steam g | eneration at the plar | nt | | |
| SIC Code (4-digit) | SCC Code | 10300602 | _ | | | | |
| B. Emissions Unit Description | | | | | | | |
| Primary use | Steam Genera | tion | Tempo | orary source <u> </u> | No No | | |
| Manufacturer | Manufacturer Cleaver Brooks Model No. 250 | | | | | | |
| Serial Number | NA | Insta | Illation date | / / 95 | | | |
| Boiler Type: | | | | | | | |
| Industrial | Boiler Proc | ess Burner | Electric u | tility boiler | | | |
| Other (de | escribe) | | | | | | |
| Boiler horsepower rating | ç | Boiler steam | flow (lb/hr) | | | | |
| Type of Fuel-Burning E | quipment (coal burning o | nly): | | | | | |
| Hand fired | Spreader stoker | Underfeed s | toker 🗌 C | Overfeed stoker | | | |
| Traveling grate | Shaking grate | Pulverized, v | wet bed 🗌 P | ulverized, dry bed | | | |
| Actual (average) Heat | Input 10.6 MM I | — BTU/hr Maxi | mum design heat | input 10.6 MM | BTU/hr | | |
| | · | | | | | | |
| C. Fuel Data | | | | | <u>_</u> | | |
| Primary fuel type(s) | Natural Gas | Standby fue | el type(s) | | | | |
| Instructions: Describe | each fuel expected to be | used during the | term of the permi | t. | | | |
| Fue | І Туре | Max. Sulfur Content (%) | Max. Ash Content (%) | BTU Value (per cf, gal., or lb.) | | | |
| Natu | ral Gas | NA | NA | 1050 BTU/cf | | | |
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D. Fuel Usage Rates

| Natural Gas10.2mmcft90.15mmcft789727 mm |
|--|
| Natural Gas 10.2mmcft 90.15mmcft 789727 mm |
| |
| |

E. Associated Air Pollution Control Equipment

| Air pollutant(s) Controlled | Manufacturer | |
|------------------------------|------------------------|--|
| Model No | Serial No | |
| Installation date / / | Control efficiency (%) | |
| Efficiency estimation method | | |

F. Ambient Impact Assessment

| Instructions: This information must applicable requirement for this emis | be completed by temporary sources or when ambient impact assessment is an sions unit. |
|--|---|
| Stack height (ft)N/A. | Inside stack diameter (ft) |
| Stack temp (°F) | Design stack flow rate (ACFM) |
| Actual stack flow rate (ACFM) | Velocity (ft/sec) |

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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID | Drum Crusher | Description | Drums are crushed |
|-------------------------|-----------------|-------------|-------------------|
| - SIC Code (4-digit) | | SCC Code | 30180001 |

B. Emissions Unit Description

| Manufacturer | Custom Built | Model No. | Custom Built | |
|-----------------------|--------------|-------------------|--------------|--|
| Serial No | | Installation date | / / | |
| Articles being coated | or degreased | | | |
| Application method | | | | |
| | | | | |

C. Associated Air Pollution Control Equipment

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| Emissions unit IDNONE | Device Type |
|--|---|
| Manufacturer | Model No |
| Serial No. | Installation date / / |
| Control efficiency (%) | Capture efficiency (%) |
| Air pollutant(s) controlled | Efficiency estimation method |
| D. Ambient Impact Assessment | |
| Instructions: This information must applicable requirement for this emis | be completed by temporary sources or when ambient impact assessment is an sions unit. |
| Stack height (ft)N/A. | Inside stack diameter (ft) |
| Stack temp (°F) | Design stack flow rate (ACFM) |
| Actual stack flow rate (ACFM) | Velocity (ft/sec) |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. Substance Type | Actual Usage | Maximum Usage | | VOC Content | |
|--|------------------------|--|---------------|---------|-------------|---------------------------------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| N/A | | | | | | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | Tenk #2 | | 4931 Gallon Tank used for | |
|---------------------|---------|-------------|---------------------------|--|
| Emissions unit ID _ | | Description | storage of liquid waste | |
| SIC Code (4-digit) | | SCC Code _3 | 0199998 | |

B. Emissions Unit Description

| Equipment type | Storage Tank | Temporary source: DYes X No |
|----------------------|-----------------|-----------------------------|
| Manufacturer | Modern Welding | Model No. |
| Serial No. | S-4869-TK2 | Installation date $5/$ / 88 |
| Application method | | |
| | | |
| Overspray (surface c | oating) (%) Dry | ng method |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister #2 | Device Type | C | arbon C | Canister |
|----------------------|-----------------------|-----------------|----------------------|---------|-------------------|
| Manufacturer | TIGG Co | rporation | Model No. | N-10 | 0XP or equivalent |
| Serial No. | | | Installation date | 5/ | / 88 |
| Control efficiency | (%) 95-98. | Capture ef | ficiency (%) | - | _ |
| Air pollutant(s) con | ntrolled | Benzene Efficie | ency estimation metl | 10d | 95-98 |

D. Ambient Impact Assessment

| Stack height (ft) | 4. | | Inside stack diameter (ft) | 0. 33 | |
|-------------------|----|---|----------------------------|-------|--|
| | 62 | 1 | | 100 | |

Form EUD-2 Continued Emission Unit ID

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

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| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 602000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | Tople #4 | | 4931 Gallon Tank used for | |
|--------------------|----------|-------------|---------------------------|--|
| Emissions unit ID | 1 ank #4 | Description | storage of liquid waste | |
| SIC Code (4-digit) | | SCC Code 30 |)199998 | |

B. Emissions Unit Description

| Equipment type | Storage Tank | Temporary source: DYes X N |
|---|------------------|----------------------------|
| Manufacturer | Modern Welding | Model No. |
| Serial No. | S-4869-TK4 | Installation date 5/ / 88 |
| Articles being coales | | |
| Application method | | |
| Application method Overspray (surface of | coating) (%) Dry | ing method |

C. Associated Air Pollution Control Equipment

| Carbon Emissions unit ID <u>Canister #4</u> Device Type _ | Carbon Canister |
|--|---------------------------------|
| Manufacturer TIGG Corporation | Model No. N-100XP or equivalent |
| Serial No. | Installation date 5/ / 88 |
| Control efficiency (%) Capture e | efficiency (%) 100 . |
| Air pollutant(s) controlled Effic | iency estimation method 95-98 |

D. Ambient Impact Assessment

 Instructions: This information must be completed by temporary sources or when ambient impact assessment is an applicable requirement for this emissions unit.

 Stack height (ft)
 4.

 Inside stack diameter (ft)
 0. 33

 Stack temp (°F)
 62. 4

 Design stack flow rate (ACFM)
 100.

 Actual stack flow rate (ACFM)
 <100.</td>

Form EUD-2 Continued Emission Unit ID

E. VOC-containing Substance Data Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 602000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Tank #6 | Description SCC Code | 7,200 Gallon Ta storage of liqu 0199998 | nk use 1id wa | ed for ste | | | |
|---|----------------|-------------------------|---|------------------|---------------|----|--|--|
| B. Emissions Unit Descrip | tion | | | | | | | |
| Equipment type | Ste | orage Tank | Ten | porary | source: | | res 🔟 No | |
| Manufacturer | Modern V | Velding | Model No | | | | | |
| Serial No. | S-4869-7 | ГК6 | Installation date | 5/ | / | 88 | | |
| Articles being coate | d or degreased | | | | | | <u>. </u> | |
| Application method | · | | | | | | | |
| Overspray (surface | coating) (%) | Dryin | g method | | | | _ | |
| No. of dryers | Tank ca | pacity (degreaser | s) (gal) | | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister #6 | Device Type | C | arbon C | aniste | r |
|----------------------|-----------------------|-----------------|--------------------|---------|--------|---------------|
| Manufacturer | TIGG Con | poration | Model No. | N-10 | 0XP c | or equivalent |
| Serial No. | | | Installation dat | e5/ | / | 88 |
| Control efficiency | (%) 95-98. | Capture ef | ficiency (%) 10 | Э. | | |
| Air pollutant(s) con | ntrolled | Benzene Efficie | ency estimation me | thod | | 95-98 |

D. Ambient Impact Assessment

| Instructions: This in applicable requireme | formation n nt for this e | nust be missic | e completed by toons unit. | temporary sources or | when ambient i | impact assessment is a |
|--|------------------------------|-------------------|----------------------------|----------------------|----------------|------------------------|
| Stack height (ft) | 4. | | Inside stack d | iameter (ft) | 0. 33 | |
| Stack temp (°F) | 62. | 4 | Design stack f | flow rate (ACFM) | 100. | |
| Actual stack flow rat | e (ACFM) | | <100. | Velocity (ft/sec) | | |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 3061000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | Topk #8 | | 5,280 Gallon Tank used for |
|--------------------|-----------|-------------|----------------------------|
| Emissions unit ID | 1 alik #0 | Description | storage of liquid waste |
| SIC Code (4-digit) | | SCC Code | 30199998 |

B. Emissions Unit Description

| Equipment type | Storage Tank | T | emporary | source: | TYes No |
|---|------------------|----------------|----------|---------|--|
| Manufacturer | Modern Welding | Model No. | | | |
| Serial No. | S-4869-TK8 | Installation d | ate 5/ | / | 88 |
| Articles being coated Application method | d or degreased | | | | ······································ |
| Overspray (surface o | coating) (%) Dry | ing method | | | |
| | | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon <u>Canister #8</u> Device Type | C | arbon Canister |
|----------------------|--|---------------------|-----------------------|
| Manufacturer | TIGG Corporation | Model No. | N-100XP or equivalent |
| Serial No. | | Installation date | e <u>5/ / 88</u> |
| Control efficiency | (%) 95-98 Capture ef | ficiency (%)100 |). |
| Air pollutant(s) con | ntrolled Efficie | ency estimation met | hod95-98 |

D. Ambient Impact Assessment

| Stack height (ft) | 4. | | Inside stack diameter (ft) | 0. 33 | |
|-------------------|-----|---|-------------------------------|-------|--|
| Stack temp (°F) | 62. | 4 | Design stack flow rate (ACFM) | 100. | |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. Substance Type | | Actual Usage | Maximu | VOC Content | |
|--|------------------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 2461000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| it ID Description storage of liquid waste | Tank #10 | Emissions unit ID |
|---|----------|--------------------|
| digit) SCC Code <u>30199998</u> | | SIC Code (4-digit) |
| digit) SCC Code <u>30199998</u> | | SIC Code (4-digit) |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister | Device Type | C | arbon C | aniste | r |
|----------------------|--------------------|-----------------|---------------------|---------|--------|---------------|
| Manufacturer | TIGG Co | rporation | Model No. | N-10 | 00XP o | or equivalent |
| Serial No. | | | Installation date | 5/ | / | 88 |
| Control efficiency (| (%) 95-98 . | Capture ef | ficiency (%) 100 |). | - | |
| Air pollutant(s) con | trolled | Benzene Efficie | ency estimation met | hod | | 95-98 |

D. Ambient Impact Assessment Instructions: This information must be completed by temporary sources or when ambient impact assessment is an applicable requirement for this emissions unit. Stack height (ft) 4. Inside stack diameter (ft) 0. 33 Stack temp (°F) 62. 4 Design stack flow rate (ACFM) 100. Actual stack flow rate (ACFM) <100.</td>

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 500000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | Top12 #20 | | 12,869 Gallon Tank used for |
|--------------------|------------|-------------|-----------------------------|
| Emissions unit ID | 1 alik #20 | Description | storage of liquid waste |
| SIC Code (4-digit) | | SCC Code | 30199998 |

B. Emissions Unit Description

| Equipment type | Storage Tank | Temporary source:Y | es <u>N</u> o | |
|---|------------------|---------------------------|---------------|--|
| Manufacturer | Modern Welding | Model No. | | |
| Serial No. | S-4869-TK20 | Installation date 5/ / 88 | 88 | |
| Articles being coated Application method | 1 or degreased | | | |
| | | | | |
| Overspray (surface c | coating) (%) Dry | ng method | _ | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister#20 | Device Type | С | arbon C | Canister | [|
|---------------------|-----------------------|-----------------|---------------------|---------|----------|--------------|
| Manufacturer | TIGG Cor | poration | Model No. | N-10 | 0XP o | r equivalent |
| Serial No. | | | Installation dat | e5/ | / | 88 |
| Control efficiency | (%) 95-98. | Capture ef | ficiency (%) 100 |). | _ | |
| Air pollutant(s) co | ntrolled | Benzene Efficie | ency estimation met | hod | | 95-98 |

D. Ambient Impact Assessment

 Instructions: This information must be completed by temporary sources or when ambient impact assessment is an applicable requirement for this emissions unit.

 Stack height (ft)
 4.

 Inside stack diameter (ft)
 0. 33

 Stack temp (°F)
 62. 4

 Design stack flow rate (ACFM)
 100.

Actual stack flow rate (ACFM) <a><100. Velocity (ft/sec)

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 310000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| r | Tople #20 | | 12,869 Gallon Tank used for | |
|--------------------|------------|-------------|-----------------------------|--|
| Emissions unit ID | 1 allk #30 | Description | storage of liquid waste | |
| SIC Code (4-digit) | <u></u> | SCC Code | 30199998 | |

B. Emissions Unit Description

| Equipment type | Storage Tank | Temporary source: 🔲 Yes 🛛 No |
|---|------------------|------------------------------|
| Manufacturer | Modern Welding | Model No. |
| Serial No. | S-4869-TK30 | Installation date 5/ / 88 |
| Articles being coated Application method | 1 or degreased | |
| | | |
| Overspray (surface o | coating) (%) Dry | ing method |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister#30 | Device Type | | Carbon C | anister | |
|---------------------------------------|--|-----------------------------|------------------------|---------------|----------------------|------------|
| Manufacturer | TIGG Cor | poration | Model No | N-10 | 0XP or equivaler | nt |
| Serial No | | | Installation c | late5/ | / 88 | |
| Control efficiency | (%)95-98 . | Capture et | fficiency (%) <u>1</u> | .00 . | | |
| Air pollutant(s) con | ntrolled | Benzene Effici | ency estimation n | nethod | 95-98 | |
| | | <u></u> | | | | |
| D. Ambient Impact Asses | ssment | | - | | | |
| Instructions: This applicable require | information must ment for this emis | be completed by sions unit. | temporary source | es or when ar | nbient impact assess | ment is an |

| Stack height (ft) | 4. | | Inside stack | diameter (ft) | 0. 33 | |
|------------------------|--------|---|--------------|-------------------|-------|---|
| Stack temp (°F) | 62. | 4 | Design stack | flow rate (ACFM) | 100. | |
| Actual stack flow rate | (ACFM) | | <100. | Velocity (ft/sec) | | • |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 79000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| SIC Code (4-digit) | Tank #40 Description SCC Code 30 | 12,869 Gallon Tank used for storage of liquid waste 0199998 |
|---|--|--|
| missions Unit Descrip | tion | |
| Equipment type | Storage Tank | Temporary source: 🔲 Yes 🔀 No |
| Manufacturer | Modern Welding | Model No. |
| Serial No. | S-4869-TK40 | Installation date 5/ / 88 |
| Articles being coate | d or degreased | |
| Application method | - | |
| Overenray (surface | coating) (%) Dryit | ng method |
| No. of dryers | Tank capacity (degrease | rs) (gal) |
| | | |
| ssociated Air Pollutio | n Control Equipment | |
| ssociated Air Pollutio | n Control Equipment Carbon Canister#40 Device Type | Carbon Canister |
| ssociated Air Pollutio Emissions unit ID Manufacturer | n Control Equipment Carbon <u>Canister#40</u> Device Type _ TIGG Corporation | Carbon Canister Model No. N-100XP or equivalent |
| ssociated Air Pollutio Emissions unit ID Manufacturer Serial No. | n Control Equipment Carbon <u>Canister#40</u> Device Type _ TIGG Corporation | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 |
| Emissions unit ID Manufacturer Serial No. | n Control Equipment Carbon <u>Canister#40</u> Device Type _ TIGG Corporation | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 . |
| Emissions unit ID Manufacturer Serial No. Control efficiency (Air pollutant(s) con | n Control Equipment Carbon <u>Canister#40</u> Device Type _ TIGG Corporation %) 95-98 Capture trolled VOM/Benzene Effic | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 . . ciency estimation method 95-98 . |
| Serial No Control efficiency (Air pollutant(s) con | n Control Equipment Carbon <u>Canister#40</u> Device Type _ TIGG Corporation %)95-98 Capture trolledVOM/Benzene Effic sment | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 . . ciency estimation method 95-98 . |
| Emissions unit ID Emissions unit ID Manufacturer Serial No. Control efficiency (Air pollutant(s) con Air pollutant(s) con Instructions: This applicable requirer | n Control Equipment Carbon Canister#40 Device Type TIGG Corporation %)95-98 Capture trolledVOM/BenzeneEffic sment information must be completed by nent for this emissions unit. | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 . . ciency estimation method 95-98 . y temporary sources or when ambient impact assessment is . |
| Emissions unit ID Emissions unit ID Manufacturer Serial No. Control efficiency (Air pollutant(s) con Multipollutant(s) con Instructions: This applicable requirer Stack height (ft) | n Control Equipment Carbon Canister#40 Device Type TIGG Corporation %)95-98Capture trolledVOM/Benzene Effic sment information must be completed by nent for this emissions unit. 4Inside stack | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 |
| Serial No | n Control Equipment Carbon Canister#40 Device Type TIGG Corporation %) | Carbon Canister Model No. N-100XP or equivalent Installation date 5/ / 88 efficiency (%) 100 |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 657000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | ····· | | | | |
|---|------------------------|-------------------------|--|------------------------|-------------------------|
| Emissions unit ID SIC Code (4-digit) | Tank #50 D | escription CC Code 3 | 12,869 Gallon Tar storage of liqui 0199998 | nk used for d waste | |
| Sie eeue († uigit) | K | | | | |
| . Emissions Unit Descrip | tion | | | ми л | |
| Equipment type | Stor | age Tank | Temp | orary source: | Yes No |
| Manufacturer | Modern We | lding | Model No. | | |
| Serial No. | S-4869-TK | 50 | Installation date | 5/ / | 88 |
| Articles being coate | d or degreased | | | | |
| Application method | | | | | |
| Overspray (surface | coating) (%) | Dryi | ng method | | |
| No. of drvers | Tank capa | city (degrease | rs) (gal) | | |
| | | | | _ | |
| Associated Aix Dollutio | n Control Fauinm | ant | <u> </u> | | |
| Associated Air Foliuto | Carbon | ent | | | |
| Emissions unit ID | Canister#50I | Device Type _ | Car | bon Caniste | er |
| Manufacturer | TIGG Corpo | ration | Model No | N-100XP | or equivalent |
| Serial No. | | | Installation date | 5/ / | 88 |
| Control efficiency (| 95-98. | Capture | efficiency (%) 100 | • | |
| Air pollutant(s) con | trolled VOM/Ber | zene Effi | viency estimation metho | | 95-98 |
| An pontiant(s) con | | Liik | steney estimation metric | | 2 |
| | | | | | |
| . Ambient Impact Assess | sment | 1 | | | |
| applicable requiren | nent for this emission | completed by ns unit. | y temporary sources or | wnen ambient | impact assessment is a: |
| Stack height (ft) | 4. | Inside stack | diameter (ft) | 0. 33 | |
| Stack temp (°F) | 62. 4 | Design stacl | c flow rate (ACFM) | 100. | |

Velocity (ft/sec)

Actual stack flow rate (ACFM) <100.

E. VOC-containing Substance Data Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 764000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| eneral information | | | | |
|--|--|-----------------------------|--|--------------------------------|
| Emissions unit ID SIC Code (4-digit) | Tank #60 | Description | 12,869 Gallon Ta storage of liqu 199998 | nk used for id waste |
| nissions Unit Descrip | otion | | | |
| Equipment type | St | orage Tank | Temj | oorary source: 🔲 Yes 🖂 No |
| Manufacturer | Modern V | Velding | Model No. | |
| Serial No. | S-4869-7 | CK60 | Installation date | 5/ / 88 |
| Articles being coate | ed or degreased | | | |
| Application method | 1 | | | |
| Oversprav (surface | coating) (%) | Drvin | g method | |
| No. of dryers | Tank ca | pacity (degreaser | s) (gal) | |
| ssociated Air Pollutio | on Control Equij Carbon | oment | Co | |
| Emissions unit ID | _Canister#60_ | Device Type _ | Ca | |
| Manufacturer | TIGG Cor | poration | Model No | N-100XP or equivalent |
| Serial No. | | | Installation date | 5/ / 88 |
| Control efficiency (Air pollutant(s) cor | (%) | Capture e Benzene Effic | efficiency (%) <u>100</u> iency estimation meth | od95-98 |
| mbient Impact Asses | sment | | | |
| Instructions: This applicable require | information must ment for this emis | be completed by sions unit. | temporary sources or | when ambient impact assessment |
| | | | | 0 22 |
| Stack height (ft) | 4. | Inside stack | diameter (ft) | 0. 33 |
| Stack height (ft) | 4. 62. | Inside stack | diameter (ft) | 100. |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | m Usage | VOC Content |
|--|----------------|--|--------------|-------------|----------|-------------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 950000 | 2000 gal/hr | 17520000 | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID | Tank #300 | Description | 30,000 Gallon storage of li | Tanl iquid | c use was | d for te | | |
|------------------------|----------------|--------------------|--------------------------------|---------------|--------------|-------------|-----|--------|
| SIC Code (4-digit) | | SCC Code <u>30</u> |)199998 | | | | | |
| Emissions Unit Descrip | tion | | | | | | | |
| Equipment type | S | torage Tank | T | empo | rary s | ource: | Yea | s 🔟 No |
| Manufacturer | Modern | Welding | Model No | | | | | |
| Serial No. | S-4869- | ГК300 | Installation d | late | 5/ | / | 88 | |
| Articles being coate | d or degreased | | | | | | | |
| Application method | | | | | | | | |
| Overspray (surface | coating) (%) | Dryin | g method | | | | | |
| No of dryers | Tank o | apacity (degrease | rs) (aal) | | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon <u>Canister#30</u> Device Ty | pe | Carbon Canister |
|----------------------|--|------------------------------|-----------------------|
| Manufacturer | TIGG Corporation | Model No. | N-100XP or equivalent |
| Serial No. | | Installation d | late / |
| Control efficiency | (%) <u>95-98</u> . Cap | ture efficiency (%) <u>1</u> | 00. |
| Air pollutant(s) con | ntrolledVOM/Benzene | Efficiency estimation n | nethod95-98 |

D. Ambient Impact Assessment

| Stack height (ft) | 4. | | Inside stack diameter (ft) | 0. 33 |
|-------------------|-----|---|-------------------------------|-------|
| Stack temp (°F) | 62. | 4 | Design stack flow rate (ACFM) | 100. |

Actual stack flow rate (ACFM) _____

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 580000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Tank #302 Description SCC Code301 | 30,000 Gallon Tank used for storage of liquid waste 99998 |
|---|--|---|
| D. Emissions omt Descri | | |
| Equipment type | Storage Tank | Temporary source: <u>Yes</u> No |
| Manufacturer | Modern Welding | Model No |
| Serial No. | S-4869-TK302 | Installation date 5/ / 88 |
| Articles being coat | ed or degreased | |
| Application method | 1 | |
| Overspray (surface | coating) (%) Drying | method |
| No. of dryers | Tank capacity (degreasers) |) (gal) |
| C. Associated Air Pollution | on Control Equipment Carbon Canister#30 Device Type | Carbon Canister |
| Manufacturer | TIGG Corporation | Model No. N-100XP or equivalent |
| Serial No. | | Installation date 5/ / 88 |
| Control efficiency | (%) 95-98 . Capture ef | ficiency (%) 100 . |
| Air pollutant(s) con | trolled VOM/Benzene Efficie | ency estimation method 95-98 |
| 7 m ponutant(3) con | | |
| D. Ambient Impact Asses | ssment | |
| Instructions: This applicable require | information must be completed by t ment for this emissions unit. | emporary sources or when ambient impact assessment is an |
| Stack height (ft) | 4. Inside stack di | iameter (ft) 0. 33 |
| Stack temp (°F) | 62. 4 Design stack f | low rate (ACFM) |
| Actual stack flow | rate (ACFM) <100. | Velocity (ft/sec) |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 543000 | 2000 gal/hr | 17520000 | |
| | | | | | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Tank #304 Do | escription SCC Code _ 30 | 30,000 Gallon Ta storage of liqu 199998 | ank used for iid waste | r |
|--|---|------------------------------|---|---------------------------|----------------------------|
| 3. Emissions Unit Descrip | otion | | | | |
| Equipment type | Stora | age Tank | Tem | porary source | e: 🔲 Yes 🔀 No |
| Manufacturer | Modern We | lding | Model No | | |
| Serial No. | S-4869-TK3 | 304 | Installation date | 5/ / | / 88 |
| Articles being coate | ed or degreased | | | | |
| Application method | 1 | | | | |
| Overspray (surface | coating) (%) | Drying | g method | | |
| No. of dryers | Tank capao | city (degreasers |) (gal) | | |
| C. Associated Air Pollution Emissions unit ID | on Control Equipm Carbon <u>Canister#30</u> I TIGG Corpo | ent Device Type ration | Ca Madel Na | arbon Canis N-100XF | ter Por equivalent |
| Sorial No | | | Installation date | 5/ | / 88 |
| Control efficiency | ····· 95-98 . | Canture et | ficiency (%) 100 | | |
| Air pollutant(s) cor | trolled | Effici | ency estimation meth | nod | 95-98 |
| D. Ambient Impact Asses | sment | | | | |
| Instructions: This applicable required | information must be nent for this emissio | completed by ons unit. | temporary sources or | r when ambier | nt impact assessment is an |
| Stack height (ft) | 4. | Inside stack d | iameter (ft) | 0. 33 | |
| | 62. 4 | Design stack | flow rate (ACFM) | 100. | |

Actual stack flow rate (ACFM) _____ <100. Velocity (ft/sec) _____

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | | |
|--|----------------|--|--------------|-------------|-------------|----------|--|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) | |
| Hazardous Waste | | | 434000 | 2000 gal/hr | 17520000 | | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| 211 Other ar mior mation | | | |
|--|---|---|--|
| Emissions unit ID SIC Code (4-digit) | Tank #306 Desc | 30,000 Galler cription storage of C Code 30199998 | on Tank used for of liquid waste |
| B. Emissions Unit Descri | otion | | |
| Equipment type | Storage | e Tank | Temporary source: 🔲 Yes 🔟 No |
| Manufacturer | Modern Weld | ing Model No | |
| Serial No. | S-4869-TK300 | 5 Installatio | n date/ 88 |
| Articles being coat | ed or degreased | | |
| Application metho | d | | |
| Overspray (surface | coating) (%) | Drying method | |
| No. of dryers | Tank capacity | y (degreasers) (gal) | |
| C. Associated Air Polluti Emissions unit ID | on Control Equipment Carbon Canister#30 Dev | t | Carbon Canister |
| Manufacturer | TIGG Corpora | tion Model No | N-100XP or equivalent |
| Serial No. | | Installatio | on date <u>5/ / 88</u> |
| Control efficiency | (%) 95-98 . | Capture efficiency (%) | 100 . |
| Air pollutant(s) co: | ntrolled VOM/Benze | ne Efficiency estimatio | n method |
| | | | |
| D. Ambient Impact Asse | ssment | | |
| Instructions: This applicable require | information must be co ment for this emissions | mpleted by temporary sour unit. | rces or when ambient impact assessment is an |
| Stack height (ft) | 4. II | nside stack diameter (ft) | 0. 33 |
| Stack temp (°F) | 62. 4 E | Design stack flow rate (ACI | FM) |

<100.

Actual stack flow rate (ACFM)

Velocity (ft/sec)

E. VOC-containing Substance Data Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 466000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Emissions unit ID SIC Code (4-digit) | Tank #308 Description SCC Code 30 | 30,000 Gallon Tank used for storage of liquid waste 199998 |
|---|---|--|
| B. Emissions Unit Descrip | otion | |
| Equipment type | Storage Tank | Temporary source: <u>Yes</u> No |
| Manufacturer | Modern Welding | Model No |
| Serial No. | S-4869-TK308 | Installation date / 88 |
| Articles being coat | ed or degreased | |
| Application method | 1 | |
| Overspray (surface | coating) (%) Drying | g method |
| No. of dryers | Tank capacity (degreasers |) (gal) |
| C. Associated Air Polluti | on Control Equipment | |
| Emissions unit ID | Carbon _ <u>Canister#30_</u> Device Type | Carbon Canister |
| Manufacturer | TIGG Corporation | Model No. N-100XP or equivalent |
| Serial No | | Installation date/ 88 |

Air pollutant(s) controlled ______ Efficiency estimation method ______ 95-98

Control efficiency (%) _____ Capture efficiency (%) _____

D. Ambient Impact Assessment

| Instructions: This in applicable requirement | formation m nt for this e | nust be missic | e completed by toos unit. | temporary sources or | when ambient | impact assessment is a |
|--|------------------------------|-------------------|---------------------------|----------------------|--------------|------------------------|
| Stack height (ft) | 4. | | Inside stack d | iameter (ft) | 0. 33 | |
| Stack temp (°F) | 62. | 4 | Design stack : | flow rate (ACFM) | 100. | |
| Actual stack flow rate | e (ACFM) | | <100. | Velocity (ft/sec) | | • |

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| VOC-Containing Substance | CAS No. | Substance Type | Actual Usage | Maximu | VOC Content | | |
|--|----------------|--|--------------|-------------|-------------|----------|--|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) | |
| Hazardous Waste | | | 389000 | 2000 gal/hr | 17520000 | | |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71 **APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES** INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit. A. General Information 30,000 Gallon Tank used for Emissions unit ID _____ Description _____ storage of liquid waste SIC Code (4-digit) _____ SCC Code _ 30199998 **B.** Emissions Unit Description Equipment type _____ Storage Tank Temporary source: \Box Yes \boxtimes No Manufacturer Modern Welding Model No. Serial No. S-4869-TK310 Installation date 5/ / 88 Articles being coated or degreased Application method Overspray (surface coating) (%) Drying method No. of dryers Tank capacity (degreasers) (gal) C. Associated Air Pollution Control Equipment Emissions unit ID _____ Device Type _____ Carbon Canister Carbon TIGG Corporation Model No. N-100XP or equivalent Manufacturer _____ Installation date 5/ / 88 Serial No. Control efficiency (%) <u>95-98</u>. Capture efficiency (%) <u>100</u>. Air pollutant(s) controlled VOM/Benzene Efficiency estimation method 95-98 **D.** Ambient Impact Assessment Instructions: This information must be completed by temporary sources or when ambient impact assessment is an applicable requirement for this emissions unit. _____ Inside stack diameter (ft) _____0. 33 Stack height (ft) 4. Stack temp (°F) 62. 4 Design stack flow rate (ACFM) 100. Actual stack flow rate (ACFM) <100. Velocity (ft/sec)
E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

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| VOC-Containing Substance | ning Substance CAS No. Substance Type Actual | | Actual Usage | Maximu | VOC Content | |
|--|--|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 308000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| Tank #3 | 10,000 Gallon Tank used for |
|--------------------|-------------------------------------|
| Emissions unit ID | Description storage of liquid waste |
| SIC Code (4-digit) | SCC Code 30199998 |

B. Emissions Unit Description

| Equipment type | Storage Tank | T | empora | ry so | urce: | <u> </u> | s 🔟 No |
|----------------------|---------------------|----------------|-----------|-------|-------|----------|--------|
| Manufacturer | Modern Welding | Model No. | | | | | |
| Serial No. | S-4869-TK312 | Installation d | n date 5/ | | / | 88 | |
| Application method | | | | | | | |
| | (%) | ing method | | | | | |
| Oversprav (surface o | $D_1 y_1 = D_1 y_2$ | ing moutou | | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister#31 | Device Type | C | arbon C | anist | er |
|---------------------|-----------------------|-----------------|--------------------|---------|-------|---------------|
| Manufacturer | TIGG Cor | poration | Model No. | N-10 | 0XP | or equivalent |
| Serial No. | | | Installation dat | e5/ | / | / 88 |
| Control efficiency | (%)95-98 . | Capture ef | ficiency (%) | 0. | | |
| Air pollutant(s) co | ntrolled | Benzene Efficie | ency estimation me | thod | | 95-98 |

D. Ambient Impact Assessment

| Instructions: This in applicable requirement | formation m nt for this e | iust be missic | e completed by temporary sources of ons unit. | r when ambient impact assessment is a |
|--|------------------------------|-------------------|---|---------------------------------------|
| Stack height (ft) | 4. | | Inside stack diameter (ft) | 0. 33 |
| Stack temp (°F) | 62. | 4 | Design stack flow rate (ACFM) | 100. |
| Actual stack flow rat | e (ACFM) | | <100. Velocity (ft/sec) | |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

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| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 210000 | 2000 gal/hr | 17520000 | |
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APPLICATION FORM EUD-2 - EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

INSTRUCTIONS: Complete this form for each significant emissions unit best described as a VOC emitting unit.

A. General Information

| | Tank #314 | | 10,000 Gallon Tank used for |
|--------------------|-----------|-------------|-----------------------------|
| Emissions unit ID | | Description | storage of liquid waste |
| SIC Code (4-digit) | | SCC Code | 30199998 |

B. Emissions Unit Description

| Equipment type | Storage Tank | | Temp | orary so | ource: | \square Yes $\boxed{\boxtimes}$ N |
|---|------------------|--------------|------|----------|--------|-------------------------------------|
| Manufacturer | Modern Welding | Model No. | | | | |
| Serial No. | S-4869-TK314 | Installation | date | 5/ | / | 88 |
| Articles being coated Application method | d or degreased | | | | | |
| Overspray (surface c | coating) (%) Dry | ing method | | | | |
| | | | | | | |

C. Associated Air Pollution Control Equipment

| Emissions unit ID | Carbon Canister#31 | Device Type | C | arbon C | Caniste | r |
|---------------------|-----------------------|-----------------|------------------------|---------|---------|---------------|
| Manufacturer | TIGG Cor | poration | Model No. | N-10 |)0XP o | or equivalent |
| Serial No. | | | Installation dat | e5/ | / | 88 |
| Control efficiency | (%) | Capture ef | ficiency (%) <u>10</u> | Э. | - | |
| Air pollutant(s) co | ntrolled | Benzene Efficie | ency estimation me | thod | | 95-98 |

D. Ambient Impact Assessment

| Instructions: This in applicable requireme | formation m nt for this e | ust be nissic | e completed by temporary sources of ons unit. | r when ambient impact assessment is |
|--|------------------------------|------------------|---|-------------------------------------|
| Stack height (ft) | 4. | | Inside stack diameter (ft) | 0. 33 |
| Stack temp (°F) | 62. | 4 | Design stack flow rate (ACFM) | 100. |
| Actual stack flow rate | e (ACFM) | | <100. Velocity (ft/sec) | |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

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| VOC-Containing Substance | CAS No | Substance Type | Actual Usage | Maximu | VOC Content | |
|--|----------------|--|--------------|-------------|-------------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Hazardous Waste | | | 210000 | 2000 gal/hr | 17520000 | |
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| APP APPLICATION FOR | U.S. ENVIRONMENTAI LICATION FOR FEDERAL OP RM EUD-2 - EMISSIONS UNI | L PROTECTION AGENCY ERATING PERMIT, 40 CFR PART 71 T DESCRIPTION FOR VOC EMITTING SOURCES |
|--|---|---|
| INSTRUCTIONS: | Complete this form for each sign | ficant emissions unit best described as a VOC emitting unit. |
| A. General Information | | |
| Emissions unit ID SIC Code (4-digit) | Tank #390 Description | 30,000 Gallon Tank used for storage of No. 2 Diesel Fuel |
| B. Emissions Unit Descrip | otion | |
| Equipment type Manufacturer | Storage Tank Modern Welding | $\underline{\qquad} Temporary source: \underline{\qquad} Yes \underline{\bigotimes} No$ $\underline{\qquad} Model No. \underline{\qquad} 5/ 48$ |
| Serial No Articles being coate Application method Overspray (surface No. of dryers | ed or degreased 1 Coating) (%) Dryi Tank capacity (degrease | ng method |
| C. Associated Air Pollutio | on Control Equipment | |
| Emissions unit ID | Device Type | |
| Manufacturer | | Model No |
| Serial No. | | Installation date / / |
| Control efficiency (| (%) Capture | efficiency (%) |
| Air pollutant(s) cor | ntrolled Effi | ciency estimation method |
| D. Ambient Impact Asses | ssment | |
| Instructions: This applicable requirer | information must be completed b ment for this emissions unit. | y temporary sources or when ambient impact assessment is an |
| Stack height (ft) | Inside stack | diameter (ft) |
| Stack temp (°F) | . Design stac | k flow rate (ACFM) |
| Actual stack flow | rate (ACFM) | Velocity (ft/sec) |

E. VOC-containing Substance Data

Instructions: List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the atmosphere. In the same column, if providing a brand name of a substance, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

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| VOC-Containing Substance | CAS No. Substance Type Actual Usage | Actual Usage | Maximu | VOC Content | | |
|--|-------------------------------------|--|----------|-------------|----------|----------|
| Name (e.g., Chemical or Brand Name) | (if available) | (e.g., coating, solvent, ink, etc.) | (gal/yr) | gal/day | gal/year | (lb/gal) |
| Diesel Fuel | | | N/A | | | |
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, JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form **GIS**. If form **FEE** does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID Unit 2 (1 of 2)

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | ir pollutants and Emission Rates CAS No. | | | |
|--|--|-------------------|---------------------|-----------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| | Annual Emissions (tons∕yr) | Hourly (lb/hr) | Annual (tons/yr) | |
| РМ | | 0.5845 | 2.56 | |
| HC1/CL2 | | 0.9340 | 4.09 | |
| NOx | | NA | 4.0 | |
| со | | 2.31 | 6.6 | |
| SO2 | | NA | 7.7 | |
| VOM | | 8.0 | 0.90 | |
| Hg | | 0.0026 | 0.00114 | 7439-97-6 |
| As | | 0.0018 | 0.0081 | 7440-38-2 |
| Ве | | 0.0018 | 0.0081 | 7440-41-7 |
| Cd | | 0.0046 | 0.0202 | 7440-43-9 |
| Cr | | 0.0018 | 0.0081 | 7440-47-3 |
| Sb | | 0.0000342 | 0.000015 | 7440-31-5 |

| U.S. ENVIRONMENTAL PROTECTION AGENCY |
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| APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71 |

UNIT 2 (2 of

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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form **GIS**. If form **FEE** does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | Emission Rates | | CAS No. | |
|--|----------------------------------|-------------------|---------------------|-----------|
| pollutants for which the source is major) | Actual Potential to Emit | | | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| Pb | | 0.0046 | 0.0202 | 7439-92-1 |
| Ni | | 0.00000446 | 0.000020 | 7440-02-0 |
| Se | | 0.00000854 | 0.000037 | 7782-49-2 |
| Dioxin/Furan | | 4.38E-09 | 1.92E-08 | |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID Unit 3 (1 of 2)

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|------------------------------------|----------|-----------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| | Annual Emissions (tons∕yr) | Hourly Annual (lb/hr) (tons/yr) | | |
| РМ | | 0.5775 | 2.53 | |
| HC1/CL2 | | 0.9340 | 4.09 | |
| NOx | | NA | 4.0 | |
| СО | | 2.31 | 6.6 | |
| SO2 | | NA | 7.7 | |
| VOM | | 8.0 | 0.90 | |
| Hg | | 0.0026 | 0.00114 | 7439-97-6 |
| As | | 0.0018 | 0.0081 | 7440-38-2 |
| Ве | | 0.0018 | 0.0081 | 7440-41-7 |
| Cd | | 0.0046 | 0.0202 | 7440-43-9 |
| Cr | | 0.0018 | 0.0081 | 7440-47-3 |
| Sb | | 0.0000342 | 0.000015 | 7440-31-5 |

| U.S. ENVIRONMENTAL PROTECTION AGENCY | |
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| APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71 | |

. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID

_____2)

UNIT 3 (2 of

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | Emission Rates CAS No. | | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|-----------|--|---------|
| pollutants for which the source is major) | Actual | Potential to Emit | | | | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | | | |
| РЪ | | 0.0046 | 0.0202 | 7439-92-1 | | |
| Ni | | 0.00000446 | 0.000020 | 7440-02-0 | | |
| Se | | 0.00000854 | 0.000037 | 7782-49-2 | | |
| Dioxin/Furan | | 4.56E-09 | 2.00E-08 | | | |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID Unit 4 (1 of 2)

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|---|---------------------|-----------|-----------|
| pollutants for which the source is major) | Actual Potential to Emit Annual Emissions Hourly (tons/yr) (lb/hr) | Potential to Emit | | |
| | | Annual (tons∕yr) | | |
| РМ | | 1.63 | 7.15 | |
| HC1/CL2 | | 2.64 | 11.57 | |
| NOx | | NA | 61.6 | |
| со | | 6.52 | 13.86 | |
| SO2 | | NA | 50.76 | |
| VOM | | 8.0 | 0.90 | |
| Hg | | 0.0073 | 0.0319 | 7439-97-6 |
| As | | 0.0052 | 0.0226 | 7440-38-2 |
| Ве | | 0.0052 | 0.0226 | 7440-41-7 |
| Cd | | 0.0129 | 0.0564 | 7440-43-9 |
| Cr | | 0.0052 | 0.0226 | 7440-47-3 |
| Sb | | 0.0000111 | 0.0000486 | 7440-31-5 |

| U.S. ENVIRONMENTAL PROTECTION AGENCY |
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| APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71 |

UNIT 4 (2 of

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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form **GIS**. If form **FEE** does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID

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B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | (including regulated air pollutants and Emission Rates CAS I | | CAS No. | |
|--|--|-------------------|---------------------|-----------|
| pollutants for which the source is major) | Actual Potential to Emit | | | |
| | Annual Emissions (tons∕yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| Pb | | 0.0129 | 0.0564 | 7439-92-1 |
| Ni | | 0.000011 | 0.000048 | 7440-02-0 |
| Se | | 0.0000277 | 0.00012 | 7782-49-2 |
| Dioxin/Furan | | 1.38E-08 | 6.05E-08 | |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Lab Pack Repack

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | Emission Rates CAS | | CAS No. |
|--|----------------------------------|--------------------|---------------------|---------|
| pollutants for which the source is major) | Actual Potential to Emit | | | |
| | Annual Emissions (tons/yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.3321 | 1.45 | |
| Benzene | | 0.0552 | 0.2418 | 71-43-2 |
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| . JRM EMISS - EMISSIONS CALCULATION |
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INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

MP-1

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Er | mit | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons/yr) | |
| VOM | | 0.0545 | 0.2387 | |
| Benzene | | 0.0113 | 0.0495 | 71-43-2 |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form **GIS**. If form **FEE** does not need to be submitted with the application, do not calculate actual emissions.

MP-2

B. Identification and Quantification of Emissions

A. Emissions Unit ID ·

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Em | iit | |
| | Annual Emissions (tons∕yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0545 | 0.2387 | |
| Benzene | | 0.0113 | 0.0495 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form **GIS**. If form **FEE** does not need to be submitted with the application, do not calculate actual emissions.

A. Emissions Unit ID Bulk Solids Storage

B. Identification and Quantification of Emissions

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Em | it | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.5836 | 2.56 | |
| Benzene | | 0.0043 | 0.0188 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Boiler #1

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|--|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual Annual Emissions (tons / yr) | Potential to Emit | | |
| | | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| СО | | 0.864 | 3.79 | |
| VOM | | 0.057 | 0.248 | |
| NOx | | 1.03 | 4.51 | |
| PM2.5 | | 0.078 | 0.343 | |
| PM10 | | 0.078 | 0.343 | |
| Part | | 0.078 | 0.343 | |
| NH3 | | 0.033 | 0.144 | |
| SOx | | 0.006 | 0.027 | |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section 1 of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Drum Crusher

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Er | nit | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.8833 | 3.87 | |
| Benzene | | 0.000157 | 0.00006 | 71-43-2 |
| Methanol | | 0.0929 | 0.4069 | 67-56-1 |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #2

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Em | nit | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons/yr) | |
| VOM | | 0.0052 | 0.0230 | |
| Benzene | | 4.98E-06 | 2.18E-05 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #4

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Er | nit | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0057 | 0.0252 | |
| Benzene | | 5.65E-05 | 2.47E-04 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #6

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|--------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Actual Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0018 | 0.0079 | |
| Benzene | | 1.76E-06 | 7.73E-06 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #8

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| E | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0023 | 0.0100 | |
| Benzene | | 2.19E-06 | 9.61E-06 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #10

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Em | iit | |
| An Emis (tor | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0427 | 0.1871 | |
| Benzene | | 4.16E-05 | 1.82E-04 | 71-43-2 |
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. JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #12

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| | Annual Emissions (tons∕yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0072 | 0.0316 | |
| Benzene | | 7.10E-06 | 3.11E-05 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section | of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #30

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|----------------------------------|--------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Actual Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0590 | 0.2584 | |
| Benzene | | 5.82E-05 | 2.55E-04 | 71-43-2 |
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| U.S. ENVIRONMENTAL PROTECTION AGENCY | |
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| APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PA | RT 71 |

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #40

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | CAS No. | | | |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emi | t | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0074 | 0.0323 | |
| Benzene | | 7.00E-06 | 3.07E-05 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #50

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | ollutants (including regulated air pollutants and Emission Rates | | | | |
|--|--|-------------------|---------------------|---------|--|
| pollutants for which the source is major) | Actual | Potential to Em | it | | |
| | Annual Emissions (tons/yr) | Houriy (lb∕hr) | Annual (tons∕yr) | | |
| VOM | | 0.0020 | 0.0088 | | |
| Benzene | | 1.83E-06 | 8.03E-06 | 71-43-2 | |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #60

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | CAS No. | | | |
|--|----------------------------------|--------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Actual Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0117 | 0.0512 | |
| Benzene | | 1.14E-05 | 4.98E-05 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #300

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | CAS No. | | | |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| | Annual Emissions (tons∕yr) | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0066 | 0.0287 | |
| Benzene | | 6.21E-06 | 2.71E-05 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #302

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | | CAS No. | | |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emi | t | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0432 | 0.1894 | |
| Benzene | | 4.20E-05 | 1.84E-04 | 71-43-2 |
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RM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section 1 of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #304

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | CAS No. | |
|--|----------------------------------|--------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Actual Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annuaí (tons/yr) | |
| VOM | | 0.0130 | 0.0567 | |
| Benzene | | 1.24E-05 | 5.45E-05 | 71-43-2 |
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JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #306

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | CAS No. | | |
|--|----------------------------------|--------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Actual Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (lb⁄hr) | Annual (tons∕yr) | |
| VOM | | 0.0227 | 0.0993 | |
| Benzene | | 2.19E-05 | 9.59E-05 | 71-43-2 |
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APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #308

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | | CAS No. | |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Em | it | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0506 | 0.2218 | |
| Benzene | | 4.90E-05 | 2.15E-04 | 71-43-2 |
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∠RM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section | of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #310

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Emission Rates | | CAS No. | |
|----------------------------------|--|--|--|
| Actual | Potential to Emit | | |
| Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons/yr) | |
| | 0.0587 | 0.2569 | |
| | 5.67E-05 | 2.48E-04 | 71-43-2 |
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| | Emission Rates Actual Annual Emissions (tons/yr) | Emission Rates Potential to En Annual Hourly Emissions (lb/hr) (tons/yr) 0.0587 5.67E-05 1 1 1 | Emission Rates Actual Annual Emissions (tons/yr) Potential to Emit Hourly (lb/hr) Annual (tons/yr) 0.0587 0.2569 5.67E-05 2.48E-04 Image: Second Seco |

JRM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section 1 of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #312

B. Identification and Quantification of Emissions

A. Emissions Unit ID

| Air Pollutants (including regulated air pollutants and | Emission Rates | CAS No. | | |
|--|----------------------------------|-------------------|---------------------|---------|
| pollutants for which the source is major) | Actual | Potential to Emit | | |
| | Annual Emissions (tons/yr) | Hourly (lb∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0803 | 0.3517 | |
| Benzene | | 7.81E-05 | 3.42E-04 | 71-43-2 |
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U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR FEDERAL OPERATING PERMIT, 40 CFR PART 71

, RM EMISS - EMISSIONS CALCULATIONS

INSTRUCTIONS: Use this form to calculate potential to emit (PTE) for applicability purposes and actual emissions for fee purposes for each emissions unit, control device, or alternative operating scenario identified in section I of form GIS. If form FEE does not need to be submitted with the application, do not calculate actual emissions.

Tank #314

B. Identification and Quantification of Emissions

A. Emissions Unit ID

Instructions: First, list each air pollutant that is either regulated at the unit or present in major amounts. Second, list any other regulated pollutant (for fee calculation) emitted at the unit that have not already been listed. Each HAP added to the list in this step may be simply listed as "HAP". Next, calculate PTE for applicability purposes and actual emissions for fee purposes for each listed air pollutant. Do not calculate PTE for air pollutants listed solely for fee purposes. Include all fugitives, including those that do not count towards applicability, when calculating actual emissions. At a minimum, round to the nearest tenth of a ton for yearly values or tenth of a pound for hourly values. Attach examples of calculations that illustrates the methodology used.

| Air Pollutants (including regulated air pollutants and | Emission Rates | | | CAS No. |
|--|--|---------------------------------------|---------------------|---------|
| pollutants for which the source is major) | Actual Annual Emissions (tons/yr) | Potential to Emit | | |
| | | Hourly (Ib∕hr) | Annual (tons∕yr) | |
| VOM | | 0.0483 | 0.2117 | |
| Benzene | | 4.69E-05 | 2.05E-04 | 71-43-2 |
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