VEOLIA
ENVIRONMENTAL SERVICES

TECHNICAL SOLUTIONS
NORTH AMERICA

July 09, 2012

Air Permits Initial Review Team, MC-161
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

RE: Renewal of Federal (Title V) Site Operating Permit
Permit No. O-1509
Veolia ES Technical Solutions, L.L.C. - Port Arthur Facility
Regulated Entity No. RN102599719,
Customer Reference No. CN603069626

Initial Review Team:

Please find enclosed the renewal and minor revision application for Federal Operating Permit No: O-1509. If you have any questions, please contact me at (409) 736-4146 or by email at Dan.Duncan@veolilaes.com.

Sincerely,

Daniel Duncan
Environmental, Health and Safety Manager
Veolia ES Technical Solutions, L.L.C.

cc: James M. Osborne, Veolia – Port Arthur
Air Section Manager, TCEQ Region 10 - Beaumont

Veolia ES Technical Solutions, L.L.C.
Highway 73, 3.5 miles West of Taylor's Bayou, P.O. Box 2563, Port Arthur, Texas 77643
tel: 409 736 2821 - fax: 409 736 1636
www.VeoliaES.com

Final

Federal Site Operating Permit Renewal and Revision Application

Prepared for

VEOLIA E.S. TECHNICAL SOLUTIONS, L.L.C.
P.O. Box 2563
Port Arthur, Texas 77643

Submitted to

Texas Commission on Environmental Quality

July 2012

CH2MHILL®
14701 St. Mary's Lane, Suite 300
Houston, Texas 77079

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A Site Wide Source Summary

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Acronyms and Abbreviations

BMHB	Bulk Material Handling Building
CO	Carbon monoxide
EPA	Environmental Protection Agency
FCAA	Federal Clean Air Act
FOP	Federal Operating Permit
HAP	Hazardous Air Pollutant
IWS	Ionizing Wet Scrubber
MACT	Maximum Achievable Control Technology
NOx	Nitrogen Oxides
NSPS	New Source Performance Standards
NSR	New Source Review
Pb	Lead
PM	Particulate matter
PM_{10}	Particulate matter with diameter less than 10 microns
PTE	Potential to emit
RTO	Regenerative thermal oxidizer
SCC	Secondary Combustion Chamber
SO_2	Sulfur dioxide
SOP	Site Operating Permit
TCEQ	Texas Commission on Environmental Quality
VOC	Volatile Organic Compounds
WESP	Wet electrostatic precipitator

SECTION 1

Introduction

1.1 Introduction

Veolia ES Technical Solutions, LLC (Veolia) owns and operates the Port Arthur facility, situated on approximately 156 acres of land adjacent to and south of State Highway 73, 3.5 miles west of Taylor Bayou in Jefferson County, Texas. The facility operations consist of sampling, storage, processing, deep well injection and incineration of commercial hazardous and PCB waste.

The Port Arthur facility is a major source as defined in 30 TAC § 122.10 because of the potential to emit (PTE) more than 100 tons per year (tpy) of nitrogen oxides (NOx), more than 25 tpy of Hazardous Air Pollutants (HAPs) in the aggregate and more than 10 tpy individual HAPs. The initial federal operating permit (FOP) application was submitted in July 1999, and Permit O-1509 was subsequently issued on October 21, 2002. Minor and administrative revisions were issued in November 2004, June 2006, and October 2006. The permit was last renewed on January 11, 2008. The permit expiration date is January 11, 2013. This document constitutes a timely renewal application for continued authorization of plant operations under Permit O-1509.

1.2 Proposed Permit Revisions

In addition to renewing the permit, Veolia is proposing the following permit revisions:

- Addition of an oxygen combustor to the kiln duct of the existing incinerator, authorized via the Standard Permit for Pollution Control Projects (116.617), Registration Number 73331;
- Addition of a Calciner Pilot Plant, authorized under Permit by Rule 106.124;
- Removal of aqueous waste storage tanks T-516 and T-550 from tank group GRPTNK6, these tanks were permitted but never constructed;
- Removal of energetic liquids storage tanks T-552 and T-553 from tank group GRPTNK4, these tanks were permitted but never constructed;
- Addition of 40 CFR Part 63, Subpart DDDDD Maximum Achievable Control Technology (MACT) requirements for the two boilers at the site (BOILERA and BOILERB);
- Removal of BASIN1 diesel-fueled internal combustion engine which has been permanently shut down;
- Addition of 40 CFR Part 63, Subpart ZZZZ MACT requirements for emergency engines INCBKUP, WTPBLUP, DWBKUP, and BASIN3;
- Addition of 40 CFR Part 60, Subpart IIII New Source Performance Standards (NSPS) requirements for emergency engine BASIN2; and
- Addition of 30 TAC Chapter 115 requirements for VOC unloading operations at the fueling station (FUELDISP1) and bulk liquid waste unloading bays (UNLOAD).

1.3 Application Overview

The application contains the following sections: introduction (Section 1), process description (Section 2), administrative forms (Section 3), unit attributes forms (Section 4), applicable requirements forms (Section 5), and the compliance form (Section 6).

Verbal and written TCEQ guidance was followed in completing the application forms and supporting documentation. Specifically:

- Unit Attribute (UA) forms are provided for all emission sources identified in the Title V permit and in this renewal/revision application, using the most up-to-date version of the forms.
- Form OP-SUMR (unit summary for revisions) only lists new emission units added since the last renewal, existing emission units for which a New Source Review (NSR) authorization change has occurred, and emission units that have been retired from operation.
- Form OP-REQ1 (site-wide applicability determinations) is provided because it has been greatly expanded by the TCEQ since the last renewal cycle.
- Form OP-REQ2 (negative applicable requirement determinations) is provided to identify negative applicability to new potentially applicable requirements promulgated since the last permit renewal.
- Form OP-REQ3 (applicable requirements summary) has been completed only for emission units with new applicable requirements.
- Maps and plot plans that have been previously submitted are not included in this application.
- OP-MON forms have not been submitted as there have been no changes to these forms since the last renewal and there are no proposed changes to the monitoring requirements currently specified in the permit;
- BOILERA and BOILERB have been identified as emission units subject to the provisions of 40 CFR Part 63, Subpart DDDDD (Boiler MACT); however, this regulation is not yet addressed on the TCEQ's standardized boiler unit attribute form. Based on discussions with the TCEQ Title V Permits staff, the following representations are provided to address this omission and codify the addition of these applicable requirements to the Title V permit: 1) the issue is identified on forms OP-2 (revision application form)and UA-1 (miscellaneous unit attribute form); 2) the subpart is referenced on pages 66 and 68 of form OP-REQ1 (site-wide applicability determinations) as a subpart that is not yet addressed on the OP-REQ1 form or any unit attribute form; and 3) the applicable regulatory citations are provided on form OP-REQ3 (applicable requirements summary).
- Four emergency use engines at the site (INCBKUP, WTPBKUP, DWBKUP, and BASIN3) have been identified as emission units potentially subject to the provisions of 40 CFR Part 63, Subpart ZZZZ MACT requirements. The following representations codify the addition of these applicable requirements to the Title V permit for the units that are subject to it and to identify the units that are not subject to it: 1) the issue is identified on form OP-2 (revision application form); 2) the unit attributes are provided on form UA-2 (engine unit attributes); 3) the subpart is referenced on pages 66 and 68 of form OP-REQ1 (site-wide applicability determinations) as a subpart that is not yet specifically addressed on OP-REQ1; 3) negative applicability is identified on OP-REQ2 for those units not subject to the new requirements; and 4) the applicable regulatory citations are provided on form OP-REQ3 (applicable requirements summary) for the units subject to the regulation.

  WTPBKUP and BASIN3 engines also require initial notification under 40 CFR Part 63, Subpart ZZZZ MACT requirement [63.6645(a)]. Initial review has indicated that these notifications were not sent to the respected agencies, and therefore have been added to the Application Compliance Plan and Schedule.
- One limited use engine at the site (BASIN2) has been identified as an emission unit subject to the provisions of 40 CFR Part 60, Subpart IIII - New Source Performance Standards (NSPS) for compression ignition engines. However, this regulation is not yet addressed on the TCEQ's standardized engine unit attribute form. The following representations are provided to address this omission and codify the addition of these applicable requirements to the Title V permit: 1) the issue is identified on forms OP-2 (revision application form) and UA-1 (miscellaneous unit attribute form); 2) the subpart is referenced on page 68 of form OP-REQ1 (site-wide applicability determinations) as a subpart that is not yet addressed on any unit attribute form; and 3) the applicable regulatory citations are provided on form OP-REQ3 (applicable requirements summary).

  Furthermore, initial review has indicated some *potential* non-compliance related to the BASIN2 engine, which is still being assessed in greater detail. Veolia is still in the process of assessing the compliance status of this engine, but based on the preliminary determination of non-compliance, it is being added to the Application

Compliance Plan and Schedule. If, after further investigation, it is determined that the non-compliance is not present, a revision will be sent to the Agency.

- The fueling station (FUELDISP1) and bulk liquid waste unloading bays (UNLOAD) have been identified as emission units subject to the 30 TAC Chapter 115 requirements for VOC unloading operations. The following representations codify the addition of these applicable requirements to the Title V permit: 1) the issue is identified on form OP-2 (revision application form); 2) the unit attributes are provided on form UA-4 (loading/unloading unit attributes); and 3) the applicable regulatory citations are provided on form OP-REQ3 (applicable requirements summary).

SECTION 2

Process Description

The Port Arthur facility receives and manages virtually all types of hazardous and non-hazardous wastes, including most hazardous wastes identified and listed in *40 CFR Part 261*. These wastes include household hazardous waste, waste generated by commercial establishments (e.g., dry cleaners, mechanic shops, printing offices), and waste generated by industrial facilities (e.g., petroleum refining and petrochemical plants, pulp and paper mills, semiconductor plants, etc.). Wastes that the facility does not accept are: (1) radioactive wastes; (2) explosive material as defined by the Department of Transportation under 49 CFR Part 173; (3) dioxin-containing wastes, identified by EPA as F020, F021, F022, F023, F026, and F027 wastes in 40 CFR 261.31; (4) municipal garbage. This section provides a detailed description of the waste management activities and processes that are conducted at the Port Arthur facility.

2.1 Waste Management Operations

Wastes are received in bulk containers (e.g., rolloff bins, end dumps, and tanker trucks) and in smaller containers such as drums, boxes, pails and other packaging. Wastes are managed according to their physical state and the treatment and/or disposal processes intended for the waste.

Incineration is the predominant treatment process employed for off-site wastes received at the facility. In addition, aqueous wastes from off-site facilities are received for deepwell injection.

Incoming waste shipments at the Port Arthur facility are checked in with the receiving office at the main gate and are directed to the appropriate area for inspection and sampling for incoming waste analyses. After acceptance, waste shipments are directed to an appropriate storage or treatment unit. Appropriate units are identified based on available unit capacities, the physical nature of the waste shipment, the compatibility of the waste shipment with the existing contents of a potential receiving unit or receiving unit area, the intended processes for management of the waste, and facility and customer scheduling constraints.

Bulk pumpable wastes are typically directed to an unloading area for off-loading to a storage tank. However, bulk liquid wastes may be fed directly to the incinerator, placed in tank, or transferred from one bulk waste container to another (truck to truck using a vapor balance system or drums to trucks or storage tanks) as appropriate. Bulk pumpable wastes to be incinerated are typically blended in the incinerator tank farm prior to being fed to the incinerator, although they may be directly fed without blending. Aqueous bulk pumpable wastes are received in the aqueous liquids storage tanks in the incinerator tank farm, or the deepwell storage tanks. Bulk pumpable wastes with heating value are received in the energetic liquids holding tanks, the energetic liquids storage tanks, and the sludge storage tanks, all of which are located in the incinerator tank farm. When the incinerator is operating, the displaced vapors from the storage tanks are routed to the incinerator (INCINERATE). When the incinerator is out of service, the displaced vapors within the tank farm are vented to the regenerative thermal oxidizer (RTO101).

Bulk non-pumpable wastes may be placed in a container storage unit, or may be unloaded in the Transload Building, the Bulk Material Handling Building, or the Truck Wash Building. Bulk non-pumpable waste shipments may also be directed to the incinerator unloading bays for removal of liquids (decanting) which may be present on the surface of the waste. Bulk non-pumpable wastes to be incinerated may be blended or mixed with other waste in the Bulk Material Handling Building (BMHB), Transload Building, or the Truck Wash Building prior to being fed into the incinerator. Bulk non-pumpable wastes may also be fed to the incinerator directly through the Bulk Material Handling Building without prior blending.

Wastes which are received in drums and other non-bulk packaging may be placed in any of the container storage units designated for management of wastes containing free liquids. These wastes may also be placed in container storage units designated for liquids-free wastes if they meet the liquids-free criteria. These wastes may also be directed to the Transload Building, the BMHB, the unloading bays, or the Truck Wash Building, with the exception of non-aerosol containerized gaseous wastes. Containerized waste in drums and other packaging are typically fed to the incinerator through a ram feeder. These wastes may also be fed to the incinerator through the BMHB. Liquids may be fed from drums and other containers by aspiration directly into the incinerator. Aerosol cans are fed to the incinerator either through the bulk solids feed mechanism or the container ram feeder. Containerized compressed gases may be fed directly to the incinerator's secondary combustion chamber (SCC) via a pressure-regulated header system.

The Truck Wash Building is an enclosed area with roll-up doors to provide truck access and prevent the escape of volatile compounds and particulate emissions. The roll up doors are kept closed except for the entry and exit of trucks, rolloffs or other containers. Either tank trucks or rolloffs may be manually washed and rinsed with the wastewater being pumped to one of the two truck wash tanks that vent to the incinerator or directly to one of the aqueous waste storage tanks. Tank trucks may also have the solids manually removed from the bottom of the tank (muck out) that normal washing procedures will not remove. Liquid and solid waste repackaging may also be conducted in the Truck Wash Building. Emissions from the washing and transfer operations in the Truck Wash Building are routed to a regenerative thermal oxidizer (RTO101) located near the Bulk Material Handling Building or to the incinerator.

2.2 Deep Well Operations

The deep well facility manages both on-site and off-site wastes. The on-site wastes include contaminated groundwater, storm water, scrubber blowdown water and leachate from the below grade landfills. Waste from trucks containing aqueous waste may also be pumped to these tanks. The operations include three 302,000 gallon tanks (T101A, T101B, T102) and one 1,007,048 gallon tank (T201) and associated filters, pumps, valves and the well head assembly.

The vent lines for tanks T101A, T101B, T102 are piped to a common header which routes vapors to a scrubber system. The scrubber system has adequate venting capacity to accommodate both the filling of a tank without pressure build up and a vacuum relief valve to allow air intake while fluid is being pumped out. A caustic solution is circulated through the scrubber to remove sulfidic compounds which could be present as a result of processing alkaline sulfide wastewater and HCl emissions from the acid storage tank. The caustic scrubber system is followed by two activated carbon drums in series.

Emissions from tank T201 are routed through eight activated carbon drums operating in parallel. As tank T201 is filled, causing a rise in pressure above a predetermined set point, a pressure control valve will open and bleed off vapors into the carbon adsorption system. As the contents of tank T201 are removed and the vapor space reaches a predetermined set point, a vacuum relief valve opens to allow air intake.

2.3 Incinerator Operations

The incinerator is capable of burning bulk wastes (solids, sludges, and liquids), as well as containerized wastes (packaged in drums, cardboard boxes, etc.). The incinerator train consists of waste receiving and feed equipment, a rotary kiln, an ash/slag removal system, a secondary combustion chamber (SCC), an emission control system, four cooling towers, an induced-draft fan, an exhaust stack, and a scrubber water treatment/recycle system.

The emission control system includes an adiabatic quench section designed to cool and saturate the SCC exit gases, followed by caustic absorbers designed to achieve the specified reduction in acid gas components and at the same time remove the larger ash particles. A four-stage ionizing wet scrubber (IWS) system in the gas stream follows the absorbers. A wet electrostatic precipitator is downstream of the IWS and provides additional particulate removal.

Bulk solid (non-pumpable) wastes (contaminated soils, filter cakes, sludges, etc.) can be unloaded in either the Transload Building or the BMHB for shredding and mixing, as appropriate, and feeding onto a totally enclosed transfer conveyor. Totally enclosed conveyors are used to transport the waste into the kiln. In the alternative, mixed solid materials from the either of the buildings may be loaded into bulk containers for storage prior to incineration. Drums and other small packaged waste containers which are to be fed to the kiln are transferred to a staging area adjacent to the BMHB, then onto a conveyor system for transport to the kiln ram feeder. Some containers of liquids and sludges are unloaded in the BMHB for mixing with solids. Emissions from the Transload Building are vented to the incinerator. A portion of the ventilation air for the BMHB is used as combustion air for the incinerator. The remainder of the air within the building is routed through a baghouse to a regenerative thermal oxidizer (RTO101) to control emissions of particulate matter (PM) and volatile organic compounds (VOC).

Waste is fed to the kiln by six different feed mechanisms. Bulk solids are fed through a chute to the kiln faceplate. Aqueous waste is fed via air or steam atomizing nozzles in the kiln faceplate. Sludges are introduced into the kiln through a lance or atomized nozzles. Energetic liquids and auxiliary fuel (purchased fossil fuel) are fed to the kiln by way of a forced air atomized burner. Containerized waste is fed into the kiln at the face plate by a hydraulic ram.

Bottom ash and combustion gases exit from the rotary kiln through a transition section known as the disengaging chamber. The bottom ash drops onto a totally enclosed pan conveyor and is transported to ash collection boxes. Gas from the transition section is routed to the secondary combustion chamber (SCC).

The SCC is a vertical, cylindrical chamber equipped with eight forced draft burners. Energetic liquids or fossil fuels are burned to raise the gas temperature to a minimum of 1982°F. Aqueous wastes and injected containerized gases may be fed through one of the two independently controlled burners. The SCC has a water bath in the base of the tower, where ash and slag that fall to the base collect. The wet ash and slag are removed continuously with a submerged drag conveyor and is conveyed to an ash collection system.

Upon exiting the SCC, the hot gases pass through a quench tower and are cooled to a design adiabatic saturation temperature of approximately 185°F. Two rows of nozzles, arranged around the perimeter of the quench tower, spray cooling water into the hot flue gas. The quench water is fresh makeup and recycled scrubber system water. The outlet duct conveys the gases to two caustic absorbers arranged in parallel. A caustic solution passes countercurrent to the gas stream to absorb acid gases. Four packed towers (CT - A, B, C, and D) act as air coolers for the absorber system water. The gas stream moves from the absorbers to a four-stage ionizing wet scrubber (IWS) designed to remove particulate. The IWS uses a high voltage DC power supply to ionize the particles in the gas stream. The charged particles pass into the packed bed section where the particles impinge on and are attracted to the packing surfaces. A water stream flushes the solids off the packing and out of the system. A mist eliminator in the discharge duct of the IWS removes moisture droplets from the gas stream prior to passing to the wet electrostatic precipitator and then on to the induced draft (ID) fan.

The ID fan serves as the prime mover for the incineration system. A pressure controller at the kiln feed end determines the opening of the fan damper in order to maintain a zero to negative 1.0 inch water column pressure at the kiln faceplate. The cleaned incinerator gases exit the system through a 130-foot tall stack (INCINSTK).

2.4 Support Operations

The facility also has a number of emission sources related to support operations, including:

- Two natural gas fired boilers to produce steam for the kiln and SCC burners when required for atomizing high viscosity wastes;
- Fuel storage tanks and vehicle fueling station;
- Emergency generator and flood pump engines;
- A groundwater collection system;
- Caustic and acid storage tanks;

- A truck shop and warehouse where cutting, grinding, welding, parts washing, and surface coating occur;
- A laboratory; and
- A wastewater treatment plant.

SECTION 3

Administrative Forms

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION

A. RN: 102599719	B. CN: 603069626	C. Account No.: JE-0024-D
D. Permit No.: O-1509	E. Project No.:	
F. Area Name: Port Arthur Facility		
G. Company Name: Veolia ES Technical Solutions, L.L.C.		

II. CERTIFICATION TYPE *(Please mark the appropriate box)*

A. ☐ Responsible Official:	B. ☒ Duly Authorized Representative:

III. SUBMITTAL TYPE *(Place an "X" in the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application	☐ Update to Permit Application
☐ GOP Initial Permit Application	☒ Permit Revision, Renewal, or Reopening
☐ Other:_____	

IV. CERTIFICATION OF TRUTH

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, James M. Osborne, certify that I am the DAR for this application
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period in Section IV.A below, or on the specific date(s) in Section IV.B below, are true, accurate, and complete:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

A. Time Period: From _____ to _____
*Start Date** *End Date**

OR

B. Specific Dates: 07/09/2012 _____ _____ _____ _____ _____ _____ _____
*Date 1** *Date 2** *Date 3** *Date 4** *Date 5** *Date 6** *Date 7** *Date 8**

**The Time Period option may only be used when the "Submittal Type" is 'Update to Permit Application' and there are multiple uncertified submittals; or a submittal package has multiple dates recorded in the documentation. Do not use the Time Period option if the "Submittal Type" is 'Other.'*

Signature: James M. Osborne Signature Date: 7-9-12

Title: General Manager

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 1)

Please print or type all information. Direct any questions regarding this application form to the Air Permits Division at (512) 239-1250. Address written inquiries to the Texas Commission on Environmental Quality, Office of Permitting and Registration, Air Permits Division (MC 163), P.O. Box 13087, Austin, Texas 78711-3087.

I. COMPANY IDENTIFYING INFORMATION	
A. Company Name:	Veolia ES Technical Solutions, L.L.C.
B. Customer Reference Number (CN):	**CN 603069626**
C. Submittal Date *(mm/dd/yyyy)*:	07/09/2012

II. SITE INFORMATION	
A. Site Name: Port Arthur Facility	
B. Regulated Entity Reference Number (RN):	**RN 102599719**
C. Primary Account Number for Site:	JE0024D

D. Indicate affected state(s) required to review permit application: *(Place an "X" in the appropriate box[es].)*

AR		CO		KS		LA		NM		OK		N/A	X

E. Indicate all pollutants for which the site is a major source based on the site's potential to emit:

Pollutant	**VOC**	**NO_X**	**SO_2**	**PM_{10}**	**CO**	**Pb**	**HAPS**	**Other**
Major at the Site *(YES/NO)*:	NO	YES	NO	NO	NO	NO	YES	NO

F. Is the source a non-major source subject to the Federal Operating Permit Program?	☐ YES ☒ NO
G. Is the site within a local program area jurisdiction?	☐ YES ☒ NO
H. Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63?	☐ YES ☒ NO
I. Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:	

III. PERMIT TYPE

A. Type of Permit Requested: *(Select only one response and place an "X" in the box.)*

Site Operating Permit (SOP)	X	Temporary Operating Permit (TOP)		General Operating Permit (GOP)	

IV. INITIAL APPLICATION INFORMATION *(Complete for Initial Issuance Applications only.)*	
A. Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B. If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ YES ☐ NO
C. If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain/CAIR permit?	☐ YES ☐ NO
D. Has a copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ YES ☐ NO

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 2)

V. CONFIDENTIAL INFORMATION		
A. Is confidential information submitted in conjunction with this application?		☐ YES ☒ NO
VI. RESPONSIBLE OFFICIAL (RO)		
A. RO Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) James M. Osborne		
B. RO Title: General Manager		
C. Employer Name: Veolia ES Technical Solutions, L.L.C.		
D. Mailing Address: P.O. Box 2563		
City: Port Arthur	State: Texas	ZIP Code: 77643-2563
Territory: N/A	Country: USA	Foreign Postal Code: N/A
E. Internal Mail Code: N/A	**F.** Telephone: (409) 736-4105	
G. Fax: (409) 736-1636	**H.** E-mail: mitch.osborne@veoliaes.com	
VII. TECHNICAL CONTACT IDENTIFYING INFORMATION *(Complete if different from RO.)*		
A. Technical Contact Name: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Daniel J. Duncan		
B. Technical Contact Title: Environmental, Health and Safety Manager		
C. Employer Name: Veolia ES Technical Solutions, L.L.C.		
D. Mailing Address: P.O. Box 2563		
City: Port Arthur	State: Texas	ZIP Code: 77643-2563
Territory: N/A	Country: N/A	Foreign Postal Code: N/A
E. Internal Mail Code: N/A		
F. Delivery Address: 3.5 miles west of Taylor Bayou, State Highway 73		
City: Port Arthur	State: Texas	ZIP Code: 77640
Territory: N/A	Country: N/A	Foreign Postal Code: N/A
G. Internal Mail Code: N/A	**H.** Telephone: (409) 736-4146	
I. Fax: (409) 736-1636	**J.** E-mail: dan.duncan@veoliaes.com	
VIII. REFERENCE ONLY REQUIREMENTS *(For reference only.)*		
A. State Senator: Tommy Williams		
B. State Representative: Allan B. Ritter		
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?		☒ YES ☐ NO ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?		☐ YES ☒ NO
E. Indicate the alternate language(s) in which public notice is required:		

Texas Commission on Environmental Quality
Federal Operating Permit Program
Site Information Summary
Form OP-1 (Page 3)

IX. OFF-SITE PERMIT REQUEST *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*		
A. Office/Facility Name:		
B. Physical Address:		
City:	State:	ZIP Code:
Territory:	Country:	Foreign Postal Code:
C. Physical Location:		
D. Contact Name: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
E. Telephone:		
X. APPLICATION AREA INFORMATION		
A. Area Name: Port Arthur Facility		
B. Physical Address: P.O. Box 2563		
City: Port Arthur	State: TX	ZIP Code: 77643-2563
C. Physical Location: 3.5 Miles West of Taylor Bayou, State Highway 73		
D. Nearest City: Port Arthur		
E. State: TX	**F.** ZIP Code: 77640	
G. Latitude (nearest second): 29 51' 11"	**H.** Longitude (nearest second): 94 05' 43"	
I. Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal?	☐ YES ☒ NO	
J. Indicate the estimated number of emission units in the application area:	80	
K. Are there any emission units in the application area subject to the Acid Rain Program and/or CAIR?	☐ YES ☒ NO	
XI. PUBLIC NOTICE *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*		
A. Name of public place to view application and draft permit: Port Arthur Public Library		
B. Physical Address: 4615 9th Avenue		
City: Port Arthur	ZIP Code: 77642	
C. Contact Person (Someone who will answer questions from the public, during the public notice period):		
(☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.) Daniel J. Duncan, Environmental , Health and Safety Manager		
D. Contact Mailing Address: P.O. Box 2563		
City: Port Arthur	State: TX	ZIP Code: 77643-2563
Territory: N/A	Country: USA	Foreign Postal Code: N/A
E. Internal Mail Code: N/A	**F.** Telephone: (409) 736-4146	
XII. DELINQUENT FEES AND PENALTIES		
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of Attorney General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."		

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 1

Date: 07/09/2012	**Permit No.: O-1509**	**Account No.: JE-0024-D**	**Regulated Entity No.: 102599719**
Area Name: Port Arthur Facility	**Company Name: Veolia ES Technical Solutions, L.L.C.**		**Customer Reference No.: 603069626**

For Submissions to EPA *(SOP renewal, minor revision, and significant revision applications only)*	
Has a copy of this application been submitted (or is being submitted) to EPA? *(Refer to the form instructions for additional information.)*	☒ YES ☐ NO

I. APPLICATION TYPE

Indicate the type of application:
- ☒ Renewal
- ☐ Significant Revision
- ☐ Administrative Revision
- ☒ Streamlined Revision (*Must include provisional terms and conditions as explained in the instructions.*)
- ☐ Revision Requesting Prior Approval
- ☐ Response to Reopening

II. QUALIFICATION STATEMENT

For SOP Revisions Only	The referenced changes qualify for the marked revision type.	☒ YES ☐ NO
For GOP Revisions Only	The permitted area continues to qualify for a GOP.	☐ YES ☐ NO

III. MAJOR SOURCE POLLUTANTS *(Complete this section if the permit revision is due to a change at the site.)*

Indicate all pollutants for which the site is a major source based on the site's potential to emit after the change is operated:

Pollutant	**VOC**	**NO_x**	**SO_2**	**PM_{10}**	**CO**	**Pb**	**HAPs**	**Other**
Major at the Site *(YES/NO)*:	NO	YES	NO	NO	NO	NO	YES	NO

IV. FEE INFORMATION

Has the applicant paid emissions fees for the most recent agency fiscal year (September 1 - August 31)?	☒ YES ☐ NO ☐ N/A

V. DELINQUENT FEES AND PENALTIES

Notice: This form will not be processed until all delinquent fees and/or penalties owed the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and penalty protocol.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 2

Date: 07/09/2012	**Permit No.: O-1509**	**Account No.: JE-0024-D**	**Regulated Entity No.: 102599719**
Area Name: Port Arthur Facility	**Company Name: Veolia ES Technical Solutions, L.L.C.**		**Customer Reference No.: 603069626**

I. DESCRIPTION OF REVISION

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
1	MS-A	NO	INCINERATE	N/A	73331	Added oxygen fuel combustor in kiln duct prior to SCC to reduce slag build up in the lower part of the SCC.
2	MS-A	YES	CLCNRPLT1	OP-REQ1	100760	New Calciner Pilot Plant added.
3	MS-C	NO	T516	N/A	N/A	Removed Aqueous Waste Storage Tank
4	MS-C	NO	T550	N/A	N/A	Removed Aqueous Waste Storage Tank
5	MS-C	NO	T552	N/A	N/A	Removed Energetic Liquids Holding Tank
6	MS-C	NO	T553	N/A	N/A	Removed Energetic Liquids Holding Tank
7	MS-C	NO	BOILERA	OP-UA1	N/A	OP-UA6 has no provision for Boiler MACT, 40 CFR Part 63, Subpart DDDDD. Therefore, indicated applicability on OP-UA1 form.
8	MS-C	NO	BOILERB	OP-UA1	N/A	OP-UA6 has no provision for Boiler MACT, 40 CFR Part 63, Subpart DDDDD. Therefore, indicated applicability on OP-UA1 form.
9	MS-C	NO	BASIN1	OP-UA2	N/A	Removed BASIN1 Reciprocating Internal Combustion Engine (RICE).
10	MS-C	NO	INCBKUP	OP-UA2	N/A	Added negative applicability to Part 63, Subpart ZZZZ (RICE MACT) requirements.

Texas Commission on Environmental Quality
Federal Operating Permit Program
Application for Permit Revision/Renewal
Form OP-2
Table 2

Date: 07/09/2012	**Permit No.: O-1509**	**Account No.: JE-0024-D**	**Regulated Entity No.: 102599719**
Area Name: Port Arthur Facility	**Company Name: Veolia ES Technical Solutions, L.L.C.**		**Customer Reference No.: 603069626**

I. DESCRIPTION OF REVISION

Revision No.	Revision Code	Unit/Group Process			NSR Authorization	Description of Changes and Provisional Terms and Conditions
		New Unit	ID No.	Applicable Form		
11	MS-C	NO	WTPBKUP	OP-UA2	N/A	Added Part 63, Subpart ZZZZ (RICE MACT) requirements.
12	MS-C	NO	DWBKUP	OP-UA2	N/A	Added negative applicability to Part 63, Subpart ZZZZ (RICE MACT) requirements.
13	MS-C	NO	BASIN3	OP-UA2	N/A	Added Part 63, Subpart ZZZZ (RICE MACT) requirements.
14	MS-C	NO	BASIN2	OP-UA1	N/A	Added Part 60, Subpart IIII (RICE NSPS) requirements..
15	MS-C	YES	FUELDISP1	OP-UA4	N/A	Added 30 TAC Chapter 115 requirements for unloading of VOC compounds from transport vessels.
16	MS-C	YES	UNLOAD	OP-UA4	N/A	Added 30 TAC Chapter 115 requirements for unloading of VOC compounds from transport vessels.

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	1	INCINERATE	N/A	Added oxygen fuel combustor in kiln duct		73331 and 42450	
A	2	CLCNRPLT1	OP-REQ1	New Calciner Pilot Plant added		106.124/09/04/2000	
D	3	T516	OP-UA3	Removed Aqueous Waste Storage Tank			
D	4	T550	OP-UA3	Removed Aqueous Waste Storage Tank			
D	5	T552	OP-UA3	Removed Energetic Liquids Holding Tank			
D	6	T553	OP-UA3	Removed Energetic Liquids Holding Tank			
D	9	BASIN1	OP-UA2	Removed BASIN1 RICE			
A	15	FUELDISP1	OP-UA4	Added 30 TAC Ch. 115 Requirements		014/06/18/1992	
A	16	UNLOAD	OP-UA4	Added 30 TAC Ch. 115 Requirements		42450	
A	17	WTPBKUP	OP-UA2	Added Part 63, Subpart ZZZZ (RICE MACT)			
A	18	BASIN3	OP-UA2	Added Part 63, Subpart ZZZZ (RICE MACT)		SE-005/06/01/1991	

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Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 1

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Unit/Process						Preconstruction Authorizations	
AI	**Revision No.**	**ID No.**	**Applicable Form**	**Name/ Description**	**CAM**	**30 TAC Chapter 116/ 30 TAC Chapter 106**	**Title I**
A	19	BASIN2	OP-UA2	Added Part 60, Subpart IIII (RICE NSPS) re		SE-005/06/01/1991	

SECTION 4

Unit Attribute Forms

Miscellaneous Unit Attributes
Form OP-UA1 (Page 1)
Federal Operating Permit Program

Date: 07/09/2012	**Account No.:** JE-0024-D	**Permit No.:** O-1509
Area Name: Port Arthur Facility		

Unit ID No.	SOP/GOP Index No.	Unit Type	Date Constructed/ Placed in Service	Functionally Identical Replacement	Maximum Rated Capacity	Technical Information and Unit Description
BOILERA	63DDDDD	EU	92-		5+	OP-UA6 has no unit attribute table for Boiler MACT, 40 CFR Part 63, Subpart DDDDD
BOILERB	63DDDDD	EU	92-		5+	OP-UA6 has no unit attribute table for Boiler MACT, 40 CFR Part 63, Subpart DDDDD
BASIN2	60IIII	EU	FCD+			OP-UA2 has no unit attribute table for 60 CFR Part 60, Subpart IIII

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 1)
Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subchapter B: Combustion Control at Major Industrial, Commercial, and Institutional Sources in Ozone Nonattainment Areas

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP/GOP Index No.	Horsepower Rating	RACT Date Placed in Service	Functionally Identical Replacement	Type of Service	Fuel Fired	Engine Type	ESAD Date Placed in Service	Diesel HP Rating
INCBKUP	R71CI-1	300+	92-		EMERG	DSL			
WTPBKUP	R71CI-1	300+	92-		EMERG	DSL			
DWBKUP	R71CI-1	300+	92-		EMERG	DSL			
BASIN2	R71CI-1	300-							
BASIN3	R71CI-1	300-							

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP/GOP Index No.	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Installation Date	Stationary RICE Type
INCBKUP	63ZZZZ-1	500+	02-		EMER		
WTPBKUP	63ZZZZ-1	300-500	02-		EMER		CI
DWBKUP	63ZZZZ-1	500+	02-		EMER		
BASIN2	63ZZZZ-1	100-	06+		EMER	YES	CI
BASIN3	63ZZZZ-1	100-	02-		EMER		CI

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	Maximum TVP	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Control Device ID No.
GRPTNK1	60kb-1	WASTE	40K+	0.5-				
T201	60kb-1	WASTE	40K+	0.5-				
GRPTNK2	60kb-2	WASTE	10K-					
GRPTNK3	60kb-2	WASTE	10K-					
GASTANK1	60kb-3	PTLQ-3	10K-					
GASTANK2	60kb-3	PTLQ-3	10K-					
DIESTANK1	60kb-3	PTLQ-3	10K-					
T517	60kb-4	PTLQ-3	10K-20K					
GRPTNK4	60kb-5	WASTE	10K-20K					
CONTINUED								

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 3)
Federal Operating Permit Program

Table 3: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	Maximum TVP	Storage Vessel Description	AMEL ID No.	Reid Vapor Pressure	Control Device ID No.
GRPTNK6	60kb-6	WASTE	20K-40K	11.1+A	CVS-CD			INCINERATE
GRPTNK6	60kb-7	WASTE	20K-40K	11.1+A	CVS-CD			RTO101
GRPTNK5	60kb-8	WASTE	40K+	11.1+B	CVS-CD			INCINERATE
GRPTNK5	60kb-9	WASTE	40K+	11.1+B	CVS-CD			RTO101

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program

Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPTNK1	R5112-1	NO		VOC1	A40K+			
T201	R5112-1	NO		VOC1	A40K+			
GRPTNK2	R5112-2	NO		VOC1	A1K-25K			
GRPTNK2	R5112-3	NO		VOC1	A1K-25K			
GRPTNK3	R5112-2	NO		VOC1	A1K-25K			
GRPTNK3	R5112-3	NO		VOC1	A1K-25K			
GRPTNK4	R5112-2	NO		VOC1	A1K-25K			
GRPTNK4	R5112-3	NO		VOC1	A1K-25K			
GRPTNK5	R5112-4	NO		VOC1	A40K+			
CONTINUED								

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 4)
Federal Operating Permit Program

Table 4a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Alternate Control Requirement	ACR ID No.	Product Stored	Storage Capacity	Throughput	Potential to Emit	Uncontrolled Emissions
GRPTNK5	R5112-5	NO		VOC1	A40K+			
GRPTNK6	R5112-2	NO		VOC1	A1K-25K			
GRPTNK6	R5112-3	NO		VOC1	A1K-25K			
T517	R5112-6	NO		VOC1	A1K-25K			
DIESTANK1	R5112-6	NO		VOC1	A1K-25K			
GASTANK1	R5112-7	NO		GASMV	A1K-			
GASTANK2	R5112-7	NO		GASMV	A1K-			

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program

Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
GRPTNK1	R5112-1	73+	NONE1	1-				
T201	R5112-1	73+	NONE1	1-				
GRPTNK2	R5112-2	73+	SPVRS1	1.5+A			DIRINC	INCINERATE
GRPTNK2	R5112-3	73+	SPVRS1	1.5+A			VDU	RTO101
GRPTNK3	R5112-2	73+	SPVRS1	1.5+A			DIRINC	INCINERATE
GRPTNK3	R5112-3	73+	SPVRS1	1.5+A			VDU	RTO101
GRPTNK4	R5112-2	73+	SPVRS1	1.5+A			DIRINC	INCINERATE
GRPTNK4	R5112-3	73+	SPVRS1	1.5+A			VDU	RTO101
GRPTNK5	R5112-4	73+	SPVRS1	1.5+A			DIRINC	INCINERATE
CONTINUED								

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 5)
Federal Operating Permit Program

Table 4b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Storage of Volatile Organic Compounds (VOCs)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Construction Date	Tank Description	True Vapor Pressure	Primary Seal	Secondary Seal	Control Device Type	Control Device ID No.
GRPTNK5	R5112-5	73+	SPVRS1	1.5+A			VDU	RTO101
GRPTNK6	R5112-2	73+	SPVRS1	1.5+A			DIRINC	INCINERATE
GRPTNK6	R5112-3	73+	SPVRS1	1.5+A			VDU	RTO101
T517	R5112-6	73+	NONE1	1-				
DIESTANK1	R5112-6	73+	NONE1	1-				
GASTANK1	R5112-7	73+						
GASTANK2	R5112-7	73+						

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 8)
Federal Operating Permit Program

Table 7: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart OO: National Emission Standards for Tanks - Level 1

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Subject to 40 CFR Part 60, 61, or 63	Closed vent System and Control Device	Control Device ID No.
GRPTANK1	63OO-1	YES	NO	
T201	63OO-1	YES	NO	

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 9)
Federal Operating Permit Program

Table 8a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Subject to Another Subpart of 40 CFR Part 61 or 63	HAP < 1 MG Per Year	Numerical Concentration Limits	Treated Organic Hazardous Constituents	Air Emission Controls	Direct Measurement	Biological Treatment	Efficiency 95%
T201	63DD-1	NO	NO	NO	NO	YES		NO	
GRPTNK1	63DD-1	NO	NO	NO	NO	YES		NO	
GRPTNK2	63DD-2	NO	NO	NO	NO	YES		NO	
GRPTNK2	63DD-3	NO	NO	NO	NO	YES		NO	
GRPTNK3	63DD-2	NO	NO	NO	NO	YES		NO	
GRPTNK3	63DD-3	NO	NO	NO	NO	YES		NO	
GRPTNK4	63DD-2	NO	NO	NO	NO	YES		NO	
GRPTNK4	63DD-3	NO	NO	NO	NO	YES		NO	
GRPTNK5	63DD-2	NO	NO	NO	NO	YES		NO	
GRPTNK5	63DD-3	NO	NO	NO	NO	YES		NO	
GRPTNK6	63DD-2	NO	NO	NO	NO	YES		NO	
GRPTNK6	63DD-3	NO	NO	NO	NO	YES		NO	

Storage Tank/Vessel Attributes
Form OP-UA3 (Page10)
Federal Operating Permit Program

Table 8b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Bulk Feed	Existing Source	Tank Emissions Control	Level 2 Controls	Closed Vent System	Tank Type	Inspected and Monitored	Bypass Device	Flow Meter	Design Analysis
T201	63DD-1	NO	YES	TL1T3	NO	YES					
GRPTNK1	63DD-1	NO	YES	TL1T3	NO	YES					
GRPTNK2	63DD-2	NO	YES	CVS			CVS/CD	YES	NO		NO
GRPTNK2	63DD-3	NO	YES	CVS			CVS/CD	YES	NO		YES
GRPTNK3	63DD-2	NO	YES	CVS			CVS/CD	YES	NO		NO
GRPTNK3	63DD-3	NO	YES	CVS			CVS/CD	YES	NO		YES
GRPTNK4	63DD-2	NO	YES	CVS			CVS/CD	YES	NO		NO
GRPTNK4	63DD-3	NO	YES	CVS			CVS/CD	YES	NO		YES
GRPTNK5	63DD-2	NO	YES	CVS			CVS/CD	YES	NO		NO
GRPTNK5	63DD-3	NO	YES	CVS			CVS/CD	YES	NO		YES
GRPTNK6	63DD-2	NO	YES	CVS			CVS/CD	YES	NO		NO
GRPTNK6	63DD-3	NO	YES	CVS			CVS/CD	YES	NO		YES

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 11)
Federal Operating Permit Program

Table 8c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	No Detectable Organic Emissions	Control Device Type	Control Device ID No.	Alternative Operating Parameters	AOP ID No.	HAP Recovery	Regenerable Carbon Adsorber	Complying with §63.693(d)(4)(iii)	Exhaust Stream Temp Monitor
GRPTNK2	63DD-2	YES	VAPTH	INCINERATE	NO					
GRPTNK2	63DD-3	YES	VAPTH	RTO101	NO					
GRPTNK3	63DD-2	YES	VAPTH	INCINERATE	NO					
GRPTNK3	63DD-3	YES	VAPTH	RTO101	NO					
GRPTNK4	63DD-2	YES	VAPTH	INCINERATE	NO					
GRPTNK4	63DD-3	YES	VAPTH	RTO101	NO					
GRPTNK5	63DD-2	YES	VAPTH	INCINERATE	NO					
GRPTNK5	63DD-3	YES	VAPTH	RTO101	NO					
GRPTNK6	63DD-2	YES	VAPTH	INCINERATE	NO					
GRPTNK6	63DD-3	YES	VAPTH	RTO101	NO					

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 12)
Federal Operating Permit Program

Table 8d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	HAP Destruction	Organic Monitoring Device	Meets 40 CFR §63.693(f)(1)(iii)	95% HAP Destruction	BPH TOC Destruction	95% TOC Destruction	Meets 40 CFR §63.693(g)(1)(iii)	Introduced with Fuel	Continuous Temperature Monitoring System
GRPTNK2	63DD-2	YES	NO		YES					
GRPTNK2	63DD-3	YES	NO		YES					
GRPTNK3	63DD-2	YES	NO		YES					
GRPTNK3	63DD-3	YES	NO		YES					
GRPTNK4	63DD-2	YES	NO		YES					
GRPTNK4	63DD-3	YES	NO		YES					
GRPTNK5	63DD-2	YES	NO		YES					
GRPTNK5	63DD-3	YES	NO		YES					
GRPTNK6	63DD-2	YES	NO		YES					
GRPTNK6	63DD-3	YES	NO		YES					

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 21)
Federal Operating Permit Program

Table 12a: Title 40 Code of Federal Regulations Part 61, (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Waste Treatment Tank	Alternative Standards for Tanks	Kb Tank Type	AMEL ID No.	Seal Type	Alternate Means of Compliance	AMOC ID No.
GRPTNK2	61FF-1	YES	NO				NO	
GRPTNK2	61FF-2	YES	NO				NO	
GRPTNK3	61FF-1	YES	NO				NO	
GRPTNK3	61FF-2	YES	NO				NO	
GRPTNK4	61FF-1	YES	NO				NO	
GRPTNK4	61FF-2	YES	NO				NO	
GRPTNK5	61FF-1	YES	NO				NO	
GRPTNK5	61FF-2	YES	NO				NO	
GRPTNK6	61FF-1	YES	NO				NO	
GRPTNK6	61FF-2	YES	NO				NO	

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 22)
Federal Operating Permit Program

Table 12b: Title 40 Code of Federal Regulations Part 61, (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Tank Control Requirements	Fuel Gas System	Closed Vent System And Control Device	Cover and Closed Vent	Closed Vent System And Control Device AMOC	CVS/CD AMOC ID No.
GRPTNK2	61FF-1	CVS-CD	NO		NO	NO	
GRPTNK2	61FF-2	CVS-CD	NO		NO	NO	
GRPTNK3	61FF-1	CVS-CD	NO		NO	NO	
GRPTNK3	61FF-2	CVS-CD	NO		NO	NO	
GRPTNK4	61FF-1	CVS-CD	NO		NO	NO	
GRPTNK4	61FF-2	CVS-CD	NO		NO	NO	
GRPTNK5	61FF-1	CVS-CD	NO		NO	NO	
GRPTNK5	61FF-2	CVS-CD	NO		NO	NO	
GRPTNK6	61FF-1	CVS-CD	NO		NO	NO	
GRPTNK6	61FF-2	CVS-CD	NO		NO	NO	

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 23)
Federal Operating Permit Program

Table 12c: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart FF: National Emission Standards for Benzene Waste Operations (Tanks)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Bypass Line	Bypass Line Valve	Control Device Type/Operation	Control Device ID No.	Engineering Calculations	Alternate Monitoring Parameters	Carbon Replacement Interval
GRPTNK2	61FF-1	NO		THERM95	INCINERATE	NO	NO	
GRPTNK2	61FF-2	NO		THERMMR	RTO101		NO	
GRPTNK3	61FF-1	NO		THERM95	INCINERATE	NO	NO	
GRPTNK3	61FF-2	NO		THERMMR	RTO101		NO	
GRPTNK4	61FF-1	NO		THERM95	INCINERATE	NO	NO	
GRPTNK4	61FF-2	NO		THERMMR	RTO101		NO	
GRPTNK5	61FF-1	NO		THERM95	INCINERATE	NO	NO	
GRPTNK5	61FF-2	NO		THERMMR	RTO101		NO	
GRPTNK6	61FF-1	NO		THERM95	INCINERATE	NO	NO	
GRPTNK6	61FF-2	NO		THERMMR	RTO101		NO	

Loading/Unloading Operations Attributes
Form OP-UA4 (Page 1)
Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter C: Loading and Unloading of Volatile Organic Compounds

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP/GOP Index No.	Chapter 115 Facility Type	Alternate Control Requirement (ACR)	ACR ID No.	Product Transferred	Transfer Type	True Vapor Pressure	Daily Throughput	Control Options
FUELDISP1	R115C-1	MOTOR							
UNLOAD	R115C-2	OTHER	NONE		VOC1	UNLOAD	0.5+	20K-	

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operationg Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Gas or Liquid Fuel Only	Fuels with 0.33 Percent or Less Sulfur	PM CEMS Petition
BOILER A	60D	78+	NO	NO	250-					
BOILER B	60D	78+	NO	NO	250-					

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operationg Permit Program

Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
BOILER A	60DB	86-97	100-					
BOILER B	60DB	86-97	100-					

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operationg Permit Program

Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Other Subparts	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option		30% Coal Duct Burner
									SO_2	PM	
BOILER A	60DC	89-									
BOILER B	60DC	89-									

Texas Commission on Environmental Quality
Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 13)
Federal Operationg Permit Program

Table 5a: Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117)
Subpart B: Combustion Control at Major Industrial, Commercial and Institutional Sources in Ozone Nonattainment Areas

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Unit Type	MRC	RACT Date Placed In Service	Functionally Identical Replacement	Fuel Type	Fuel Type	Fuel Type	Annual Heat Input
BOILER A	R71CI-1	ICIB	40-						
BOILER B	R71CI-1	ICIB	40-						

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 69)
Federal Operating Permit Program

Table 9a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Equipment Type	Non Research and Development/Batch Processes	Vacuum Service	Less Than 300 Operating Hours	Heavy Liquid Service	AMEL
GRPFUG	63H-1	YES	YES	NO	NO		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 71)
Federal Operating Permit Program

Table 9c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Title 40 CFR Part 63, Subpart H Fugitive Unit Components								
		Pumps			Compressors Any	Pressure Relief Devices			Sampling Connection Systems	
		Light Liquid Service	Heavy Liquid Service	QIP		Gas/Vapor Service	Liquid Service	Heavy Liquid Service	Any	Heavy Liquid Service
GRPFUG	63H-1	YES	NO	NO	NO	YES	NO	NO	YES	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 72)
Federal Operating Permit Program

Table 9d: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Title 40 CFR Part 63, Subpart H Fugitive Unit Components						
		Open-Ended Valves or Lines		Valves			Connectors	
		Any	Heavy Liquid Service	Gas/Vapor or Light Liquid Service	Heavy Liquid Service	QIP	Gas/Vapor or Light Liquid Service	Heavy Liquid Service
GRPFUG	63H-1	YES	NO	YES	NO	NO	YES	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 73)
Federal Operating Permit Program

Table 9e: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Title 40 CFR Part 63, Subpart H Fugitive Unit Components					
		Agitators		Instrumentation Systems		Surge Control Vessels or Bottom Receivers	
		Gas/Vapor or Light Liquid Service	Heavy Liquid Service	Any	Heavy Liquid Service	Any	Heavy Liquid Service
GRPFUG	63H-1	YES	NO	YES	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 74)
Federal Operating Permit Program

Table 9f: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Title 40 CFR Part 63, Subpart H Fugitive Unit Components						
		Closed-Vent Systems						
		Any	Recovery or Recapture Devices	Control Device ID No.	Enclosed Combustion Devices	Control Device ID No.	Flares	Control Device ID No.
GRPFUG	63H-1	YES	NO		YES	INCINERATE	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 75)
Federal Operating Permit Program

Table 9g: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart H: National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Bypass Lines	Unsafe To Inspect	Difficult To Inspect	Employee Number	Title 40 CFR Part 63, Subpart H Fugitive Unit Description
GRPFUG	63H-1	NO	NO	NO	NO	Storage, Transfer, Loading, Sampling and Incinerator Fugitives

Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program

Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Major Source	Initial Start-up Date
CTA	63Q	NO		
CTB	63Q	NO		
CTC	63Q	NO		
CTD	63Q	NO		

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program

Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
BOILSTKA	R1111-1	NO		OTHER	NONE	72+	100-
BOILSTKB	R1111-1	NO		OTHER	NONE	72+	100-
RTO101	R1111-1	NO		OTHER	NONE	72+	100-

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 2)
Federal Operating Permit Program

Table 1b: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Emission Point ID No.	SOP Index No.	Annual ACF	Heat Input	State Implementation Plan (SIP) Violation	Total Feed Capacity
BOILSTKA	R1111-1				
BOILSTKB	R1111-1				
RTO101	R1111-1				

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 3)
Federal Operating Permit Program

Table 2a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter B: Vent Gas Control

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Emission Point ID No.	SOP/GOP Index No.	Chapter 115 Division	Combustion Exhaust	Vent Type	Total Uncontrolled VOC Weight	Combined 24-Hour VOC Weight	VOC Concentration	VOC Concentration or Emission Rate at Maximum Operating Conditions
STOR3	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
STOR4A	R5121-2	NO	NO	REGVAPPL		100+	612-	YES
STOR5	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
STOR6	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
STOR7	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
STOR8	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
RTO101	R5121-1	NO	NO	REGVAPPL		100-	612-	YES
TRKSAMPSTK	R5121-1	NO	NO	REGVAPPL		100-	612-	YES

Texas Commission on Environmental Quality
Surface Coating Operations Attributes
Form OP-UA18 (Page 8)
Federal Operating Permit Program

Table 8a: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter E, Division 2: Surface Coating Processes

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Process ID No.	SOP Index No.	Alternative Compliance Method (ACM)	ACM ID No.	Facility Operations	VOC Emission Rate	Vapor Recovery	Control Device ID No.
PROTKSHOP	R5421-1	NO		BODIN			
PROWHOUSE	R5421-2	NO		MISM	OTHER	NONE	
PROWHOUSE	R5421-3	NO		MISM	OTHER	NONE	

Texas Commission on Environmental Quality
Surface Coating Operations Attributes
Form OPUA18 (Page 9)
Federal Operating Permit Program

Table 8b: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)
Subchapter E, Division 2: Surface Coating Processes

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Process ID No.	SOP Index No.	Alternative Requirements (AR)	AR ID No.	Miscellaneous Coating Type	Vehicle Refinishing Coating Type	Mirror Backing	Wood Coating Type
PROWHOUSE	R5421-2	NO		EXTR			
PROWHOUSE	R5421-3	NO		OTHER			

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 6)
Federal Operating Permit Program

Table 5: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart C: National Emission Standard for Beryllium

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Ambient Limit	Ambient Limit ID No.	Burning	Waiver	Waiver ID No.
INCINERATE	61C-1	NO		YES	NO	

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 7)
Federal Operating Permit Program

Table 6: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart E: National Emission Standard for Mercury

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Emission Testing Waiver	Waiver ID No.	Sludge Sampling	Mercury Emissions
INCINERATE	61E-1	NO		NO	NO

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 12)
Federal Operating Permit Program

Table 8a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEE: Hazardous Waste Combustors

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	Existing Source	Control Sys	Inlet Temp	Hg Feedrate	Alt Metals	Met Feedrate
INCINERATE	63EEE-1	YES	NO	NO	YES	NO	YES

Texas Commission on Environmental Quality
Incinerator Attributes
Form OP-UA35 (Page 13)
Federal Operating Permit Program

Table 8b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart EEE: Hazardous Waste Combustors

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		

Unit ID No.	SOP Index No.	CO/THC Standard	Baghouse	PM Detection	Dioxin-Listed	DRE Previous Test	Feed Zone
INCINERATE	63EEE-1	CO-5	NO		NO	YES	NO

Texas Commission on Environmental Quality
Transfer System Unit Attributes
Form OP-UA55 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	Subject to Another Subpart of 40 CFR Part 61 or 63	HAP < 1 MG Per Year	Numerical Concentration Limits	Treated Organic Hazardous Constituents	Air Emission Controls	Direct Measurement	Covers Used	Continuous Hard Piping	Inspected and Monitored	Bypass Device	Flow Meter
SOLIDSTS1	63DD-4	NO	NO	No	No	YES		NO	NO	No	NO	
LIQTS1	63DD-5	NO	NO	No	No	YES		NO	YES	Yes	NO	
SOLIDSTS1	63DD-6	NO	NO	No	No	YES		NO	NO	No	NO	

Texas Commission on Environmental Quality
Transfer System Unit Attributes
Form OP-UA55 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	No Detectable Organic Emissions	Control Device	Control Device ID No.	Design Analysis	Alternative Operating Parameters	AOP ID No.	HAP Recovery	Regenerable Carbon Adsorber	Complying with §63.693(d)(4)(iii)	Exhaust Stream Temperature Monitor
SOLIDSTS1	63DD-4	NO	VAPTH	INCINERATE	No	NO					
SOLIDSTS1	63DD-6	NO	VAPTH	RTO101	Yes	NO					
LIQTS1	63DD-5										

Texas Commission on Environmental Quality
Transfer System Unit Attributes
Form OP-UA55 (Page 3)
Federal Operating Permit Program

Table 1c: Title 40 Code of Federal Regulations Part 63 (40 Part CFR 63)
Subpart DD: National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Unit ID No.	SOP Index No.	HAP Destruction	Organic Monitoring Device	Meets 40 CFR § 63.693(f)(1)(iii)	95% HAP Destruction	BPH TOC Destruction	95% TOC Destruction	Meets 40 CFR § 63.693(g)(1)(iii)	Introduced with Fuel	Continuous Temperature Monitoring System
SOLIDSTS1	63DD-4	NO	NO	NO	NO		YES			
SOLIDSTS1	63DD-6	NO	NO	YES	NO					

Texas Commission on Environmental Quality
Treatment Process Attributes
Form OP-UA58 (Page 2)
Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 61 (40 CFR Part 61)
Subpart FF: National Emission Standard for Benzene Waste Operations (Treatment Processes)

Date: 07/09/2012	**Permit No.:** O-1509	**Regulated Entity No.:** 102599719
Area Name: Port Arthur Facility		**Customer Reference No.:** 603069626

Process ID No.	SOP Index No.	AMOC	AMOC ID No.	Complying With § 61.342(e)	Stream Combination	Benzene Removal	Process or Stream Exemption	Treatment Process Engineering Calculations
INCINERATE	61FF-1	NO		NO	NO		YES	

SECTION 5

Applicable Requirements Forms

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program

Date: 07/09/2012	RN No.: 102599719	Permit No.: O-1509
Area Name: Port Arthur Facility		

☐ *For SOP applications, answer ALL questions unless otherwise directed.*
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

I.	**TITLE 30 TAC CHAPTER 111 - CONTROL OF AIR POLLUTION FROM VISIBLE EMISSIONS AND PARTICULATE MATTER**		
	A. Visible Emissions		
☐	1.	The application area includes stationary vents constructed on or before January 31, 1972.	☐ YES ☒ NO ☐ N/A
☐	2.	The application area includes stationary vents constructed after January 31, 1972.	☒ YES ☐ NO
	3.	All stationary vents are addressed on a unit specific basis. *If the response to Question I.A.3. is "YES", go to Question I.A.5.*	☐ YES ☒ NO
	4.	Stationary vents constructed after January 31, 1972 are subject to compliance assurance monitoring requirements.	☐ YES ☒ NO
☐	5.	Test Method 9 (40 CFR Part 60, Appendix A, Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources) is used to determine opacity of emissions in the application area.	☒ YES ☐ NO
☐	6.	The application area includes structures subject to 30 TAC § 111.111(a)(7)(A).	☒ YES ☐ NO
☐	7.	The application area includes sources, other than those specified in 30 TAC § 111.111(a)(1), (4), or (7), subject to 30 TAC § 111.111(a)(8)(A).	☐ YES ☒ NO
☐	8.	Emissions from units in the application area include contributions from uncombined water.	☒ YES ☐ NO
☐	9.	The application area is located in the City of El Paso, including Fort Bliss Military Reservation, and includes solid fuel heating devices subject to 30 TAC § 111.111(c).	☐ YES ☒ NO ☐ N/A
	B. Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots		
	1.	Items a - d determines applicability of any of these requirements based on geographical location.	
☐	a.	The application area is located within the City of El Paso.	☐ YES ☒ NO
☐	b.	The application area is located within the Fort Bliss Military Reservation, except areas specified in 30 TAC § 111.141.	☐ YES ☒ NO
☐	c.	The application area is located in the portion of Harris County inside the loop formed by Beltway 8.	☐ YES ☒ NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 2)
Federal Operating Permit Program

Date: 07/09/2012	RN No.: 102599719	Permit No.: O-1509
Area Name: Port Arthur Facility		

For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

I.	**TITLE 30 TAC CHAPTER 111 - CONTROL OF AIR POLLUTION FROM VISIBLE EMISSIONS AND PARTICULATE MATTER *(continued)***	
	B. Materials Handling, Construction, Roads, Streets, Alleys, and Parking Lots *(continued)*	
☐	d. The application area is located in the area of Nueces County outlined in Group II state implementation plan (SIP) for inhalable particulate matter adopted by the TCEQ on May 13, 1988.	☐ YES ☒ NO
	If there is any "YES" response to Questions I.B.1.a - d, answers Questions I.B.2.a - d. If all responses to Questions I.B.1.a-d are "NO", go to Section I.C.	
	2. Items a - d determine the specific applicability of these requirements.	
☐	a. The application area is subject to 30 TAC § 111.143.	☐ YES ☐ NO
☐	b. The application area is subject to 30 TAC § 111.145.	☐ YES ☐ NO
☐	c. The application area is subject to 30 TAC § 111.147.	☐ YES ☐ NO
☐	d. The application area is subject to 30 TAC § 111.149.	☐ YES ☐ NO
	C. Emissions Limits on Nonagricultural Processes	
☐	1. The application area includes nonagricultural processes subject to 30 TAC § 111.151.	☒ YES ☐ NO
	2. The application area includes oil or gas fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(c).	☐ YES ☒ NO
	3. The application area includes solid fossil fuel-fired steam generators subject to 30 TAC §§ 111.153(a) and 111.153(b).	☐ YES ☒ NO
	D. Emissions Limits on Agricultural Processes	
	1. The application area includes agricultural processes subject to 30 TAC § 111.171.	☐ YES ☒ NO
	E. Outdoor Burning	
☐	1. Outdoor burning is conducted in the application area. *If the response to Question I.E.1 is "NO", go to Section II.*	☐ YES ☒ NO
☐	2. Fire training is conducted in the application area and subject to the exception provided in 30 TAC § 111.205.	☐ YES ☐ NO

Texas Commission on Environmental Quality
Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 3)
Federal Operating Permit Program

Date: 07/09/2012	RN No.: 102599719	Permit No.: O-1509
Area Name: Port Arthur Facility		

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I.	**TITLE 30 TAC CHAPTER 111 - CONTROL OF AIR POLLUTION FROM VISIBLE EMISSIONS AND PARTICULATE MATTER *(continued)***		
	E. Outdoor Burning *(continued)*		
☐	3.	Fires for recreation, ceremony, cooking, and warmth are used in the application area and subject to the exception provided in 30 TAC § 111.207.	☐ YES ☐ NO
☐	4.	Disposal fires are used in the application area and subject to the exception provided in 30 TAC § 111.209.	☐ YES ☐ NO
☐	5.	Prescribed burning is used in the application area and subject to the exception provided in 30 TAC § 111.211.	☐ YES ☐ NO
☐	6.	Hydrocarbon burning is used in the application area and subject to the exception provided in 30 TAC § 111.213.	☐ YES ☐ NO
☐	7.	The application area has received the TCEQ Executive Director approval of otherwise prohibited outdoor burning according to 30 TAC § 111.215.	☐ YES ☐ NO
II.	**TITLE 30 TAC CHAPTER 112 - CONTROL OF AIR POLLUTION FROM SULFUR COMPOUNDS**		
	A. Temporary Fuel Shortage Plan Requirements		
	1.	The application area includes units that are potentially subject to the temporary fuel shortage plan requirements of 30 TAC §§ 112.15 - 112.18.	☐ YES ☒ NO
III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)**		
	A. Applicability		
☐	1.	The application area is located in the Houston/Galveston/Brazoria area, Beaumont/Port Arthur area, Dallas/Fort Worth area, El Paso area, or a covered attainment county as defined by 30 TAC § 115.10. *See instructions for inclusive counties. If the response to Question III.A.1 is "NO", go to Section IV.*	☒ YES ☐ NO
	B. Storage of Volatile Organic Compounds		
☐	1.	The application area includes storage tanks, reservoirs, or other containers capable of maintaining working pressure sufficient at all times to prevent any VOC vapor or gas loss to the atmosphere.	☒ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	C.	**Industrial Wastewater**	
	1.	The application area includes affected VOC wastewater streams of an affected source category, as defined in 30 TAC § 115.140. *If the response to Question III.C.1 is "NO" or "N/A", go to Section III.D.*	☐ YES ☒ NO ☐ N/A
	2.	The application area is located at a petroleum refinery in the Beaumont/Port Arthur or Houston/Galveston/Brazoria area. *If the response to Question III.C.2 is "YES" and the refinery is in the Beaumont/Port Arthur area, go to Section III.D.*	☐ YES ☐ NO
	3.	The application area is complying with the provisions of 40 CFR Part 63, Subpart G, as an alternative to complying with this division (relating to Industrial Wastewater). *If the response to Question III.C.3 is "YES", go to Section III.D.*	☐ YES ☐ NO
	4.	The application area is located at a plant with an annual VOC loading in wastewater, as determined in accordance with 30 TAC § 115.148, less than or equal to 10 Mg (11.03 tons). *If the response to Question III.C.4 is "YES", go to Section III.D.*	☐ YES ☐ NO
	5.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that are subject to the control requirements of 30 TAC § 115.142(1).	☐ YES ☐ NO
	6.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that handle streams chosen for exemption under 30 TAC § 115.147(2).	☐ YES ☐ NO
	7.	The application area includes wastewater drains, junction boxes, lift stations, or weirs that have an executive director approved exemption under 30 TAC § 115.147(4).	☐ YES ☐ NO
	D.	**Loading and Unloading of VOCs**	
☐	1.	The application area includes VOC loading operations.	☒ YES ☐ NO
☐	2.	The application area includes VOC transport vessel unloading operations. *For GOP applications, if the responses to Questions III.D.1 - D.2, are "NO", go to Section III.E.*	☒ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	D.	**Loading and Unloading of VOCs** ***(continued)***	
☐	3.	Transfer operations at motor vehicle fuel dispensing facilities are the only VOC transfer operations conducted in the application area. *If the response to Question III.D.3 is "YES", go to Section III.E.*	☐ YES ☒ NO
☐	4.	For application areas in the Houston/Galveston/Brazoria area, marine terminal transfer operations are conducted in the application area.	☐ YES ☒ NO ☐ N/A
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
☐	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a tank-truck tank into a stationary storage container. *If the response to Question III.E.1 is "NO", go to Section III.F.*	☒ YES ☐ NO
☐	2.	Transfers to stationary storage containers used exclusively for the fueling of agricultural implements are the only transfer operations conducted at facilities in the application area.	☐ YES ☒ NO
☐	3.	All transfers at facilities in the application area are made into stationary storage containers with internal floating roofs, external floating roofs, or their equivalent. *If the response to Question III.E.2 and/or E.3 is "YES", go to Section III.F.*	☐ YES ☒ NO
☐	4.	The application area is located in a covered attainment county as defined in 30 TAC § 115.10. *If the response to Question III.E.4 is "NO", go to Question III.E.9.*	☐ YES ☒ NO
☐	5.	Stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons are located at the facility.	☐ YES ☐ NO
☐	6.	Stationary gasoline storage containers with a nominal capacity greater than 1,000 gallons are located at the facility.	☐ YES ☐ NO
☐	7.	At facilities located in covered attainment counties other than Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed less than 125,000 gallons of gasoline in a calendar month after January 1, 1999. *If the response to Question III.E.7 is "YES", go to Section III.F.*	☐ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	E.	**Filling of Gasoline Storage Vessels (Stage I) for Motor Vehicle Fuel Dispensing Facilities**	
☐	8.	At facilities located in Bastrop, Bexar, Caldwell, Comal, Guadalupe, Hays, Travis, Williamson, or Wilson County, transfers are made to stationary storage tanks greater than 1000 gallons located at a facility which has dispensed no more than 25,000 gallons of gasoline in a calendar month after December 31, 2004. *If the response to Question III.E.8. is "YES", go to Section III.F.*	☐ YES ☐ NO
☐	9.	Transfers are made to stationary storage tanks located at a motor vehicle fuel dispensing facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991 and for which construction began prior to November 15, 1992.	☒ YES ☐ NO
☐	10.	At facilities located in Ellis, Johnson, Kaufman, Parker, or Rockwall County, transfers are made to stationary storage tanks located at a facility which has dispensed at least 10,000 gallons of gasoline but less than 125,000 gallons of gasoline in a calendar month after April 30, 2005.	☐ YES ☐ NO
	F.	**Control of VOC Leaks from Transport Vessels (Complete this section for GOP applications for GOPs 511, 512, 513 and 514 only)**	
☐	1.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(a)(1)(C) or 115.224(2) within the application area.	☐ YES ☐ NO ☐ N/A
☐	2.	Tank-truck tanks are filled with non-gasoline VOCs having a TVP greater than or equal to 0.5 psia under actual storage conditions at a facility subject to 30 TAC § 115.214(a)(1)(C) within the application area.	☐ YES ☐ NO ☐ N/A
☐	3.	Tank-truck tanks are filled with, or emptied of, gasoline at a facility that is subject to 30 TAC § 115.214(b)(1)(C) or 115.224(2) within the application area.	☐ YES ☐ NO ☐ N/A

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	G.	**Control of Vehicle Refueling Emissions (Stage II) at Motor Vehicle Fuel Dispensing Facilities**	
☐	1.	The application area includes one or more motor vehicle fuel dispensing facilities and gasoline is transferred from a stationary storage container into motor vehicle fuel tanks. *If the response to Question III.G.1 is "NO" or "N/A", go to Section III.H.*	☒ YES ☐ NO ☐ N/A
☐	2.	Transfer operations used exclusively for the fueling of aircraft, watercraft, or agricultural implements are the only transfer operations conducted at facilities in the application area. *If the response to Question III.G.2 is "YES", go to Section III.H.*	☐ YES ☒ NO
☐	3.	The application area includes facilities that began construction on or after November 15, 1992.	☐ YES ☒ NO
☐	4.	The application area includes facilities that began construction prior to November 15, 1992.	☒ YES ☐ NO
☐	5.	The application area includes facilities that have a monthly throughput of less than 10,000 gallons of gasoline.	☒ YES ☐ NO
	H.	**Control Of Reid Vapor Pressure (RVP) of Gasoline**	
☐	1.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that may ultimately be used in a motor vehicle in El Paso County. *If the response to Question III.H.1 is "NO" or "N/A", go to Section III.I.*	☐ YES ☐ NO ☒ N/A
☐	2.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline that will be used exclusively for the fueling of agricultural implements.	☐ YES ☐ NO
☐	3.	The application area includes a motor vehicle fuel dispensing facility.	☐ YES ☐ NO
☐	4.	The application area includes stationary tanks, reservoirs, or other containers holding gasoline and having a nominal capacity of 500 gallons or less.	☐ YES ☐ NO
	I.	**Process Unit Turnaround and Vacuum-Producing Systems in Petroleum Refineries**	
	1.	The application area is located at a petroleum refinery.	☐ YES ☒ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	J.	**Surface Coating Processes (Complete this section for GOP applications only.)**	
☐	1.	Surface coating operations (other than those performed on equipment located on-site and in-place) that meet the exemption specified in 30 TAC § 115.427(a)(3)(A) or 115.427(b)(1) are performed in the application area.	☐ YES ☐ NO ☐ N/A
	K.	**Offset Lithographic Printing**	
	1.	The application area includes offset lithographic printing presses. If the answer to Question III.K.1. is "NO", go to Section III.L.	☐ YES ☒ NO
	2.	The application area in is Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, or Tarrant Counties. *If the response to Question III.K.2. is "NO", go to Question III.K.4.*	☐ YES ☐ NO
	3.	All offset lithographic printing presses on the property, when uncontrolled, emit a combined weight of VOC less than 50 tons per calendar year.	☐ YES ☐ NO
	4.	The application area is in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, or Waller Counties. *If the responses to Questions III.K.2. and 4. are both "NO", go to Section III.L.*	☐ YES ☐ NO
	5.	All offset lithographic printing presses on the property, when uncontrolled, emit a combined weight of VOC less than 25 tons per calendar year.	☐ YES ☐ NO
	L.	**Cutback Asphalt**	
	1.	Conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots, is used or specified for use in the application area by a state, municipal, or county agency. *If the response to Question III.L.1 is "N/A", go to Section III.M.*	☐ YES ☐ NO ☒ N/A
	2.	The use, application, sale, or offering for sale of conventional cutback asphalt containing VOC solvents for the paving of roadways, driveways, or parking lots occurs in the application area.	☐ YES ☐ NO ☐ N/A
	3.	Asphalt emulsion is used or produced within the application area.	☐ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	L.	**Cutback Asphalt** ***(continued)***	
	4.	The application area is using an alternate control requirement as specified in 30 TAC § 115.513. *If the response to Question III.L.4 is "NO", go to Section III.M.*	☐ YES ☐ NO
	5.	The application area uses, applies, sells, or offers for sale asphalt concrete, made with cutback asphalt, that meets the exemption specified in 30 TAC § 115.517(1).	☐ YES ☐ NO
	6.	The application area uses, applies, sells, or offers for sale cutback asphalt that is used solely as a penetrating prime coat.	☐ YES ☐ NO
	7.	The applicant using cutback asphalt is a state, municipal, or county agency.	☐ YES ☐ NO
	M.	**Degassing or Cleaning of Stationary, Marine, and Transport Vessels**	
☐	1.	The application area includes degassing or cleaning operations for stationary, marine, and/or transport vessels. *If the response to Question III.M.1 is "NO" or "N/A", go to Section III.N.*	☐ YES ☒ NO ☐ N/A
☐	2.	Degassing or cleaning of only ocean-going, self-propelled VOC marine vessels is performed in the application area. *If the response to Question III.M.2 is "YES", go to Section III.N.*	☐ YES ☐ NO ☐ N/A
☐	3.	Degassing or cleaning of stationary VOC storage vessels with a nominal storage capacity of 1,000,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO ☐ N/A
☐	4.	Degassing or cleaning of stationary VOC storage vessels with a nominal storage capacity of 250,000 gallons or more, or a nominal storage capacity of 75,000 gallons and storing materials with a true vapor pressure greater than 2.6 psia, and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO ☐ N/A
☐	5.	Degassing or cleaning of VOC transport vessels with a nominal storage capacity of 8,000 gallons or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	M.	**Degassing or Cleaning of Stationary, Marine, and Transport Vessels** ***(continued)***	
☐	6.	Degassing or cleaning of VOC marine vessels with a nominal storage capacity of 10,000 barrels (420,000 gallons) or more and a vapor space partial pressure greater than or equal to 0.5 psia of VOC is performed in the application area.	☐ YES ☐ NO ☐ N/A
☐	7.	Degassing or cleaning of VOC marine vessels that do not meet one or more of the exemptions specified in 30 TAC § 115.547(1), (2), or (5), but have sustained damage as specified in 30 TAC § 115.547(4) is performed in the application area.	☐ YES ☐ NO ☐ N/A
	N.	**Petroleum Dry Cleaning Systems**	
	1.	The application area contains one or more petroleum dry cleaning facilities that use petroleum based solvents.	☐ YES ☐ NO ☒ N/A
	O.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)**	
	1.	The application area includes one or more vent gas streams containing HRVOC.	☐ YES ☐ NO ☒ N/A
	2.	The application area includes one or more flares that emit or have the potential to emit HRVOC. *If the response to Question III.O.1. and III.O.2. are both "NO" or "N/A", go to Section III.P. If the response to Question III.O.1 is "YES", continue with Question III.O.3.*	☐ YES ☐ NO ☒ N/A
	3.	All vent streams in the application area that are routed to a flare contain less than 5.0% HRVOC by weight at all times.	☐ YES ☐ NO
	4.	All vent streams in the application area that are not routed to a flare contain less than 100 ppmv HRVOC at all times. *If the response to Questions III.O.3. and III.O.4. are both "NO", go to Section III.P.*	☐ YES ☐ NO
	5.	The application area contains pressure relief valves that are not controlled by a flare.	☐ YES ☐ NO
	6.	The application area has at least one vent stream which has no potential to emit HRVOC.	☐ YES ☐ NO

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III.	**TITLE 30 TAC CHAPTER 115 - CONTROL OF AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)** ***(continued)***		
	O.	**Vent Gas Control (Highly-reactive volatile organic compounds (HRVOC)** ***(continued)***	
	7.	The application area has vent streams from a source described in 30 TAC § 115.727(c)(3)(A) - (H).	☐ YES ☐ NO
	P.	**Cooling Tower Heat Exchange Systems (HRVOC)**	
	1.	The application area includes one or more cooling tower heat exchange systems that emit or have the potential to emit HRVOC.	☐ YES ☒ NO ☐ N/A
IV.	**TITLE 30 TAC CHAPTER 117 - CONTROL OF AIR POLLUTION FROM NITROGEN COMPOUNDS**		
	A.	**Applicability**	
☐	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, Dallas/Fort Worth, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "YES", complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "YES", go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "YES", complete Sections IV.C. and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "NO", go to Section VI.*	☒ YES ☐ NO
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "YES", go to Question IV.H.1.*	☐ YES ☒ NO
	3.	The application area includes a utility electric generator in an east or central Texas county. See instructions for a list of counties included. *If the response to Question IV.A.3 is "YES", go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "NO", go to Question IV.H.1.*	☐ YES ☒ NO

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IV.	**TITLE 30 TAC CHAPTER 117 - CONTROL OF AIR POLLUTION FROM NITROGEN COMPOUNDS *(continued)***		
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1. is "NO", go to Question IV.C.1.*	☐ YES ☒ NO
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ YES ☐ NO
	C.	**Commercial, Institutional, and Industrial Sources in Ozone Nonattainment Areas**	
☐	1.	The application area is located at a site subject to 30 TAC Chapter 117, Subchapter B and includes units specified in 30 TAC §§ 117.100, 117.300, or 117.400. *For SOP applications, if the response to Question IV.C.1. is "NO", go to Question IV.D.1.* *For GOP applications for GOP 517, if the response to Question IV.C.1. is "NO", go to Section IV.F.*	☒ YES ☐ NO
☐	2.	The application area is located at a site that was a major source of NOx before November 15, 1992.	☒ YES ☐ NO ☐ N/A
☐	3.	The application area includes an electric generating facility required to comply with the System Cap in 30 TAC § 117.320.	☐ YES ☒ NO
	D.	**Adipic Acid Manufacturing**	
	1.	The application area is located at, or part of, an adipic acid production unit.	☐ YES ☒ NO ☐ N/A
	E.	**Nitric Acid Manufacturing - Ozone Nonattainment Areas**	
	1.	The application area is located at, or part of, a nitric acid production unit.	☐ YES ☒ NO ☐ N/A

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IV.	**TITLE 30 TAC CHAPTER 117 - CONTROL OF AIR POLLUTION FROM NITROGEN COMPOUNDS *(continued)***		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines**	
☐	1.	The application area is located at a site that is a minor source of NOx in the Houston/Galveston/Brazoria or Dallas/Fort Worth Eight-Hour areas. *For SOP applications, if the response to Question IV.F.1 is "NO", go to Question IV.H.1.* *For GOP applications, if the response to Question IV.F.1 is "NO", go to Section VI.*	☐ YES ☒ NO
☐	2.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(a).	☐ YES ☐ NO
☐	3.	The application area is located in the Houston/Galveston/Brazoria area and has units that qualify for an exemption under 30 TAC § 117.2003(b).	☐ YES ☐ NO
☐	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ YES ☐ NO
☐	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ YES ☐ NO
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "NO", go to Question IV.H.1.*	☐ YES ☐ NO
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ YES ☐ NO
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1. is "NO" go to Section V.*	☐ YES ☒ NO

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IV.	**TITLE 30 TAC CHAPTER 117 - CONTROL OF AIR POLLUTION FROM NITROGEN COMPOUNDS *(continued)***	
H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters *(continued)***	
2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ YES ☐ NO
V.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 59 (40 CFR PART 59) - NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDARDS FOR CONSUMER AND COMMERCIAL PRODUCTS**	
A.	**Subpart B – National Volatile Organic Compound Emission Standards for Automobile Refinish Coatings**	
1.	The application area manufactures automobile refinish coatings or coating components and sells or distributes these coatings or coating components in the United States.	☐ YES ☒ NO
2.	The application area imports automobile refinish coatings or coating components, manufactured on or after January 11, 1999, and sells or distributes these coatings or coating components in the United States. *If the responses to Questions V.A.1 and V.A.2 are both "NO", go to Section V.B.*	☐ YES ☒ NO
3.	All automobile refinish coatings or coating components manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.100(c)(1) - (6).	☐ YES ☐ NO
B.	**Subpart C – National Volatile Organic Compound Emission Standards for Consumer Products**	
1.	The application area manufactures consumer products for sale or distribution in the United States.	☐ YES ☒ NO
2.	The application area imports consumer products manufactured on or after December 10, 1998 and sells or distributes these consumer products in the United States.	☐ YES ☒ NO
3.	The application area is a distributor of consumer products whose name appears on the label of one or more of the products. *If the responses to Questions V.B.1 - V.B.3 are all "NO", go to Section V.C.*	☐ YES ☒ NO

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V.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 59 (40 CFR PART 59) - NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDARDS FOR CONSUMER AND COMMERCIAL PRODUCTS *(continued)***	
B.	**Subpart C – National Volatile Organic Compound Emission Standards for Consumer Products *(continued)***	
4.	All consumer products manufactured, imported, or distributed by the application area meet one or more of the exemptions specified in 40 CFR § 59.201(c)(1) - (7).	☐ YES ☐ NO
C.	**Subpart D – National Volatile Organic Compound Emission Standards for Architectural Coatings**	
1.	The application area manufactures or imports architectural coatings for sale or distribution in the United States.	☐ YES ☒ NO
2.	The application area manufactures or imports architectural coatings that are registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *If the responses to Questions V.C.1 and V.C.2 are both "NO", go to Section VI.*	☐ YES ☒ NO
3.	All architectural coatings manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.400(c)(1) - (5).	☐ YES ☐ NO
D.	**Subpart F – Control of Evaporative Emissions From New and In-Use Portable Fuel Containers**	
1.	The application area manufactures or imports portable fuel containers for sale or distribution in the United States. *If the response to Question V.D.1 is "NO", go to Section VI.*	☐ YES ☐ NO
2.	All portable fuel containers manufactured or imported by the application area meet one or more of the exemptions specified in 40 CFR § 59.605(a) - (c).	☐ YES ☐ NO

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VI.	TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS) *(continued)*	
A.	**Applicability**	
☐ 1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 60 subparts. *If the response to Question VI.A.1 is "NO", go to Section VII.*	☒ YES ☐ NO
B.	**Subpart Y - Standards of Performance for Coal Preparation and Processing Plants**	
1.	The application area is located at a coal preparation and processing plant. *If the response to Question VI.B.1 is "NO", go to Section VI.C.*	☐ YES ☒ NO
2.	The coal preparation and processing plant has a design capacity greater than 200 tons per day (tpd). *If the response to Question VI.B.2 is "NO", go to Section VI.C.*	☐ YES ☐ NO
3.	The plant has an option to enforceably limit its operating level to less than 200 tpd and is choosing this option. *If the response to Question VI.B.3. is "YES", go to Section VI.C.*	☐ YES ☐ NO
4.	The plant contains an open storage pile, as defined in § 60.251, as an affected facility. *If the response to Question VI.B.4. is "NO", go to Section VI.C.*	☐ YES ☐ NO
5.	The open storage pile was constructed, reconstructed or modified after May 27, 2009.	☐ YES ☐ NO
C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)**	
☐ 1.	The application area includes one or more stationary gas turbines that have a heat input at peak load greater than or equal to 10 MMBtu/hr (10.7GJ/hr), based on the lower heating value of the fuel fired. *If the response to Question VI.C.1 is "NO" or "N/A", go to Section VI.D.*	☐ YES ☐ NO ☒ N/A
☐ 2.	One or more of the affected facilities were constructed, modified, or reconstructed after October 3, 1977 and prior to February 19, 2005. *If the response to Question VI.C.2 Is "NO", go to Section VI.D.*	☐ YES ☐ NO
3.	One or more stationary gas turbines in the application area are using a previously approved alternative fuel monitoring schedule as specified in 40 CFR § 60.334(h)(4).	☐ YES ☐ NO

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VI.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS)** ***(continued)***		
C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only)** ***(continued)***		
	4.	The exemption specified in 40 CFR § 60.332(e) is being utilized for one or more stationary gas turbines in the application area.	☐ YES ☐ NO
	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐ YES ☐ NO
D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**		
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "NO", go to Section VI.E.*	☐ YES ☒ NO ☐ N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980.	☐ YES ☐ NO
E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**		
☐	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "NO", go to Section VI.F.* *For GOP applications, if the response to Question VI.E.1 is "NO" or "N/A", go to Section VI.H.*	☐ YES ☒ NO
☐	2.	The affected facilities that were constructed or modified after January 20, 1984.	☐ YES ☐ NO
☐	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD.	☐ YES ☐ NO
F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**		
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "NO", go to Section VI.G.*	☐ YES ☒ NO

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VI.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS)** ***(continued)***		
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants** ***(continued)***	
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ YES ☐ NO
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "NO", go to Section VI.H.*	☐ YES ☒ NO
	2.	The application area includes stormwater sewer systems.	☐ YES ☐ NO
	3.	The application area includes ancillary equipment which is physically separate from the wastewater system and does not come in contact with or store oily wastewater.	☐ YES ☐ NO
	4.	The application area includes non-contact cooling water systems.	☐ YES ☐ NO
	5.	The application area includes individual drain systems. *If the response to Question VI.G.5 is "NO", go to Section VI.H.*	☐ YES ☐ NO
	6.	The application area includes one or more individual drain systems that meet the exemption specified in 40 CFR § 60.692-2(d).	☐ YES ☐ NO
	7.	The application area includes completely closed drain systems.	☐ YES ☐ NO
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004**	
☐	1.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.H.1. is "N/A", go to Section VI.I. If the response to Question VI.H.1. is "NO", go to Question VI.H.4.*	☐ YES ☒ NO ☐ N/A
☐	2.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO

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VI.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS)** ***(continued)***		
	H.	**Subpart AAAA - Standards of Performance for Small Municipal Waste Incineration Units for Which Construction Commenced After August 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 6, 2004** ***(continued)***	
☐	3.	The application area includes at least one small municipal waste incineration unit, other than an air curtain incinerator, constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
☐	4.	The application area includes at least one air curtain incinerator. *Note: If the response to Question VI.H.4. is "NO", go to Section VI.I.*	☐ YES ☒ NO
☐	5.	The application area includes at least one air curtain incinerator constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006. *If the response to Question VI.H.5. is "NO", go to Question VI.H.7.*	☐ YES ☐ NO
☐	6.	All air curtain incinerators constructed after August 30, 1999 or modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐ YES ☐ NO
☐	7.	The application area includes at least one air curtain incinerator constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006.	☐ YES ☐ NO
☐	8.	All air curtain incinerators constructed before August 30, 1999 and not modified or reconstructed on or after June 6, 2006 combust only yard waste.	☐ YES ☐ NO
	I.	**Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001**	
☐	1.	The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator. *If the response to Question VI.I.1. is "N/A", go to Section VI.J. If the response to Question VI.I.1. is "NO", go to Question VI.I.4.*	☒ YES ☐ NO ☐ N/A

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VI.	TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS) *(continued)*	
	I. Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Commenced After November 30, 1999 or for Which Modification or Reconstruction Commenced on or After June 1, 2001 *(continued)*	
☐	2. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001.	☐ YES ☒ NO
☐	3. The application area includes at least one commercial or industrial solid waste incineration unit, other than an air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☒ YES ☐ NO
☐	4. The application area includes at least one air curtain incinerator. *If the response to Question VI.I.4. is "NO", go to Section VI.J.*	☐ YES ☒ NO
☐	5. The application area includes at least one air curtain incinerator, constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001. *If the response to Question VI.I.5. is "NO", go to VI.I.7.*	☐ YES ☐ NO
☐	6. All air curtain incinerators constructed after November 30, 1999 or modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
☐	7. The application area includes at least one air curtain incinerator, constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001.	☐ YES ☐ NO
☐	8. All air curtain incinerators constructed before November 30, 1999 and not modified or reconstructed on or after June 1, 2001 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO

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VI. TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS) *(continued)*

J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006

☐	1.	The application area includes at least one very small municipal waste incineration unit or institutional incineration unit, other than an air curtain incinerator. *If the response to Question VI.J.1. is "N/A", go to Section VII. If the response to Question VI.J.1. is "NO", go to Question VI.J.4.*	☐ YES ☒ NO ☐ N/A
☐	2.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO
☐	3.	The application area includes at least one very small municipal waste incineration unit, other than an air curtain incinerator, constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO
☐	4.	The application area includes at least one air curtain incinerator. *If the response to Question VI.J.4. is "NO", go to Section VII.*	☐ YES ☒ NO
☐	5.	The application area includes at least one air curtain incinerator constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006. *If the response to Question VI.J.5. is "NO", go to Question VI.J.7.*	☐ YES ☐ NO
☐	6.	All air curtain incinerators constructed after December 9, 2004 or modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
☐	7.	The application area includes at least one air curtain incinerator constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006.	☐ YES ☐ NO
☐	8.	All air curtain incinerators constructed before December 9, 2004 and not modified or reconstructed on or after June 16, 2006 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
☐	9.	The air curtain incinerator is located at an institutional facility and is a distinct operating unit of the institutional facility that generated the waste.	☐ YES ☐ NO

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VI.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 60 (40 CFR PART 60) - NEW SOURCE PERFORMANCE STANDARDS (NSPS)** ***(continued)***	
	J. Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Commenced After December 9, 2004 or for Which Modification or Reconstruction Commenced on or After June 16, 2006 ***(continued)***	
☐	10. The air curtain incinerator burns less than 35 tons per day of wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ YES ☐ NO
VII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)**	
	A. Applicability	
☐	1. The application area includes a unit(s) that is subject to one or more 40 CFR Part 61 subparts. *If the response to Question VII.A.1 is "NO" or "N/A", go to Section VIII.*	☒ YES ☐ NO ☐ N/A
	B. Subpart F - National Emission Standard for Vinyl Chloride	
	1. The application area is located at a plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	☐ YES ☒ NO
	C. Subpart J - National Emission Standard for Benzene Emissions for Equipment Leaks (Fugitive Emission Sources) of Benzene (Complete this section for GOP applications only)	
☐	1. The application area includes equipment in benzene service.	☐ YES ☐ NO ☐ N/A
	D. Subpart L – National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants	
	1. The application area is located at a coke by-product recovery plant and includes one or more of the affected sources identified in 40 CFR § 61.130(a) - (b). *If the response to Question VII.D.1 is "NO", go to Section VII.E.*	☐ YES ☒ NO
	2. The application area includes equipment in benzene service as determined by 40 CFR § 61.137(b).	☐ YES ☐ NO
	3. The application area has elected to comply with the provisions of 40 CFR § 61.243-1 and 40 CFR § 61.243-2.	☐ YES ☐ NO

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VII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)***	
E.	**Subpart M - National Emission Standard for Asbestos**	
	Applicability	
1.	The application area includes sources, operations, or activities specified in 40 CFR §§ 61.143, .144, .146, 147, .148, or .155. *If the response to Question VII.E.1 is "NO", go to Section VII.F.*	☐ YES ☒ NO
	Roadway Construction	
2.	The application area includes roadways constructed or maintained with asbestos tailings or asbestos-containing waste material.	☐ YES ☐ NO
	Manufacturing Commercial Asbestos	
3.	The application area includes a manufacturing operation using commercial asbestos. *If the response to Question VII.E.3 is "NO", go to Question VII.E.4.*	☐ YES ☐ NO
a.	Visible emissions are discharged to outside air from the manufacturing operation	☐ YES ☐ NO
b.	An alternative emission control and waste treatment method is being used that has received prior U.S. Environmental Protection Agency (EPA) approval.	☐ YES ☐ NO
c.	Asbestos-containing waste material is processed into nonfriable forms.	☐ YES ☐ NO
d.	Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
f.	A high efficiency particulate air (HEPA) filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles	☐ YES ☐ NO
g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO

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VII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)*	
E. Subpart M - National Emission Standard for Asbestos *(continued)*	
Asbestos Spray Application	
4. The application area includes operations in which asbestos-containing materials are spray applied. *If the response to Question VII.E.4 is "NO", go to Question VII.E.5.*	☐ YES ☐ NO
a. Asbestos fibers are encapsulated with a bituminous or resinous binder during spraying and are not friable after drying. *If the response to Question VII.E.4.a is "YES", go to Question VII.E.5.*	☐ YES ☐ NO
b. Spray-on applications on buildings, structures, pipes, and conduits do not use material containing more than 1% asbestos.	☐ YES ☐ NO
c. An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO
d. Asbestos-containing waste material is processed into nonfriable forms.	☐ YES ☐ NO
e. Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
f. Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
g. A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐ YES ☐ NO
h. The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO

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VII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)*		
E. Subpart M - National Emission Standard for Asbestos *(continued)*		
Fabricating Commercial Asbestos		
5.	The application area includes a fabricating operation using commercial asbestos. *If the response to Question VII.E.5 is "NO", go to Question VII.E.6.*	☐ YES ☐ NO
a.	Visible emissions are discharged to outside air from the manufacturing operation.	☐ YES ☐ NO
b.	An alternative emission control and waste treatment method is being used that has received prior EPA approval.	☐ YES ☐ NO
c.	Asbestos-containing waste material is processed into nonfriable forms.	☐ YES ☐ NO
d.	Asbestos-containing waste material is adequately wetted.	☐ YES ☐ NO
e.	Alternative filtering equipment is being used that has received EPA approval.	☐ YES ☐ NO
f.	A HEPA filter is being used that is certified to be at least 99.97% efficient for 0.3 micron particles.	☐ YES ☐ NO
g.	The EPA has authorized the use of wet collectors designed to operate with a unit contacting energy of at least 9.95 kilopascals.	☐ YES ☐ NO
Non-sprayed Asbestos Insulation		
6.	The application area includes insulating materials (other than spray applied insulating materials) that are either molded and friable or wet-applied and friable after drying.	☐ YES ☐ NO
Asbestos Conversion		
7.	The application area includes operations that convert regulated asbestos-containing material and asbestos-containing waste material into nonasbestos (asbestos-free) material.	☐ YES ☐ NO

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VII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)***	
F.	**Subpart P - National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities**	
1.	The application area is located at a metallic arsenic production plant or at an arsenic trioxide plant that processes low-grade arsenic bearing materials by a roasting condensation process.	☐ YES ☒ NO
G.	**Subpart BB - National Emission Standard for Benzene Emissions from Benzene Transfer Operations**	
1.	The application area is located at a benzene production facility and/or bulk terminal. *If the response to Question VII.G.1 is "NO", go to Section VII.H.*	☐ YES ☒ NO
2.	The application area includes benzene transfer operations at marine vessel loading racks.	☐ YES ☐ NO
3.	The application area includes benzene transfer operations at railcar loading racks.	☐ YES ☐ NO
4.	The application area includes benzene transfer operations at tank-truck loading racks.	☐ YES ☐ NO
H.	**Subpart FF - National Emission Standard for Benzene Waste Operations**	
	Applicability	
1.	The application area includes a chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery facility as defined in § 61.341.	☐ YES ☒ NO
2.	The application area is located at a hazardous waste treatment, storage, and disposal (TSD) facility site as described in 40 CFR § 61.340(b). *If the responses to Questions VII.H.1 and VII.H.2 are both "NO", go to Section VIII.*	☒ YES ☐ NO
3.	The application area is located at a site that has no benzene onsite in wastes, products, byproducts, or intermediates. *If the response to Question VII.H.3 is "YES", go to Section VIII.*	☐ YES ☒ NO

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VII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)*	
H. Subpart FF - National Emission Standard for Benzene Waste Operations *(continued)*	
Applicability *(continued)*	
4. The application area is located at a site having a total annual benzene quantity from facility waste less than 1 megagrams per year (Mg/yr). *If the response to Question VII.H.4 is "YES", go to Section VIII*	☐ YES ☒ NO
5. The application area is located at a site having a total annual benzene quantity from facility waste greater than or equal to 1 Mg/yr but less than 10 Mg/yr. *If the response to Question VII.H.5 is "YES", go to Section VIII.*	☐ YES ☒ NO
6. The flow-weighted annual average benzene concentration of each waste stream at the site is based on documentation.	☒ YES ☐ NO
7. The application area has waste streams with flow-weighted annual average water content of 10% or greater.	☒ YES ☐ NO ☐ N/A
Waste Stream Exemptions	
8. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(2) (the flow-weighted annual average benzene concentration is less than 10 ppmw).	☐ YES ☒ NO
9. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because process wastewater has a flow rate less than 0.02 liters per minute or an annual wastewater quantity less than 10 Mg/yr.	☐ YES ☒ NO
10. The application area has waste streams that meet the exemption specified in 40 CFR § 61.342(c)(3) because the total annual benzene quantity is less than or equal to 2 Mg/yr.	☐ YES ☒ NO
11. The application area transfers waste off-site for treatment by another facility.	☒ YES ☐ NO
12. The application area is complying with 40 CFR § 61.342(d).	☐ YES ☒ NO
13. The application area is complying with 40 CFR § 61.342(e). *If the response to Question VII.H.13. is "NO", go to Question VII.H.15.*	☐ YES ☒ NO

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VII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)*		
H. Subpart FF - National Emission Standard for Benzene Waste Operations *(continued)*		
Waste Stream Exemptions *(continued)*		
14.	The application area has facility waste with a flow weighted annual average water content of less than 10%.	☐ YES ☐ NO
Container Requirements		
15.	The application area has containers, as defined in 40 CFR § 61.341, that receive non-exempt benzene waste. *If the response to Question VII.H.15 is "NO", go to Question VII.H.18.*	☒ YES ☐ NO
16.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VII.H.16 is "YES", go to Question VII.H.18.*	☐ YES ☒ NO
17.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☒ NO
Individual Drain Systems		
18.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage non-exempt benzene waste. *If the response to Question VII.H.18 is "NO", go to Question VII.H.25.*	☐ YES ☒ NO
19.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VII.H.19 is "YES", go to Question VII.H.25.*	☐ YES ☐ NO
20.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VII.H.20 is "NO", go to Question VII.H.22.*	☐ YES ☐ NO
21.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO

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VII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 61 (40 CFR PART 61) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS *(continued)***	
H.	**Subpart FF - National Emission Standard for Benzene Waste Operations *(continued)***	
	Individual Drain Systems *(continued)*	
22.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VII.H.22 is "NO", go to Question VII.H.25.*	☐ YES ☐ NO
23.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ YES ☐ NO
24.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☐ NO
	Remediation Activities	
25.	Remediation activities take place at the application area subject to NESHAP FF.	☐ YES ☒ NO
VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES**	
A.	**Applicability**	
☐ 1.	The application area includes a unit(s) that is subject to one or more 40 CFR Part 63 subparts other than subparts made applicable by reference under subparts in 40 CFR Part 60, 61 or 63. *See instructions for 40 CFR Part 63 subparts made applicable only by reference.*	☒ YES ☐ NO
B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry**	
1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or (b)(1)(ii).	☐ YES ☒ NO
2.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a).	☒ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES)** ***(continued)***	
B.	**Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry** ***(continued)***	
3.	The application area is located at a site that includes chemical manufacturing process units that use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F. *If the response to Question VIII.B.1, .B.2, or .B.3 is "NO", go to Section VIII.D.*	☐ YES ☒ NO
4.	The application area includes chemical manufacturing process units that use as a reactant or manufacture as a product, or co-product, one or more of the organic hazardous air pollutants listed in table 2 of 40 CFR Part 63, Subpart F.	☐ YES ☐ NO
C.	**Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater**	
	Applicability	
1.	The application area is located at a site that is subject to 40 CFR 63, Subpart F and the application area includes process vents, storage vessels, transfer racks, or waste streams associated with a chemical manufacturing process subject to 40 CFR 63, Subpart F. *If the response to Question VIII.C.1 is "NO", go to Section VIII.D.*	☐ YES ☐ NO
2.	The application area includes fixed roofs, covers, and/or enclosures that are required to comply with 40 CFR § 63.148.	☐ YES ☐ NO
3.	The application area includes vapor collection systems or closed-vent systems that are required to comply with 40 CFR § 63.148. *If the response to Question VIII.C.3 is "NO", go to Question VIII.C.8.*	☐ YES ☐ NO
4.	The application area includes vapor collection systems or closed-vent systems that are constructed of hard-piping.	☐ YES ☐ NO
5.	The application area includes vapor collection systems or closed-vent systems that contain by-pass lines that could divert a vent stream away from a control device and to the atmosphere. *If the response to Question VIII.C.5 is "NO", go to Question VIII.C.8.*	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES) *(continued)*		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*		
Vapor Collection and Closed Vent Systems		
6.	Flow indicators are installed, calibrated, maintained, and operated at the entrances to by-pass lines in the application area.	☐ YES ☐ NO
7.	By-pass lines in the application area are secured in the closed position with a car-seal or a lock-and-key type configuration.	☐ YES ☐ NO
Transfer Racks		
8.	The application area includes Group 1 transfer racks that load organic HAPs.	☐ YES ☐ NO
Process Wastewater Streams		
9.	The application area includes process wastewater streams. *If the response to Question VIII.C.9 is "NO", go to Question VIII.C.31.*	☐ YES ☐ NO
10.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart FF. *If the response to Question VIII.C.10 is "NO", go to Question VIII.C.12.*	☐ YES ☐ NO
11.	The application area includes process wastewater streams that are complying with 40 CFR §§ 63.110(e)(1)(i) and (e)(1)(ii).	☐ YES ☐ NO
12.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Part 61, Subpart F. *If the response to Question VIII.C.12 is "NO", go to Question VIII.C.14.*	☐ YES ☐ NO
13.	The application area includes process wastewater streams utilizing the compliance option specified in 40 CFR § 63.110(f)(4)(ii).	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*

C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*

Process Wastewater Streams

14.	The application area includes process wastewater streams that are also subject to the provisions of 40 CFR Parts 260 through 272. *If the response to Question VIII.C.14 is "NO", go to Question VIII.C.17.*	☐ YES ☐ NO
15.	The application area includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(i).	☐ YES ☐ NO
16.	The application are includes process wastewater streams complying with 40 CFR § 63.110(e)(2)(ii).	☐ YES ☐ NO
17.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1; are required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 9 compounds.	☐ YES ☐ NO
18.	The application area includes process wastewater streams, located at existing sources that are Group 2.	☐ YES ☐ NO
19.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1; required to be treated as Group 1 under 40 CFR § 63.110; or are determined to be Group 1 for Table 8 or Table 9 compounds.	☐ YES ☐ NO
20.	The application area includes process wastewater streams, located at new sources that are Group 2 for both Table 8 and Table 9 compounds.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*

C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*

Process Wastewater Streams

21.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.21. is "YES", go to Question VIII.C.31.*	☐ YES ☐ NO
22.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.C.22. is "NO", go to Question VIII.C.24.*	☐ YES ☐ NO
23.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
24.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
25.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the response to Question VIII.C.24 - VIII.C.25 is both "NO", go to Question VIII.C.27.*	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*		
Process Wastewater Streams *(continued)*		
26.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. *If the response to Question VIII.C.24 - VIII.C.25 is both "NO", go to Question VIII.C.27.*	☐ YES ☐ NO
27.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
Drains		
28.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.C.28 is "NO", go to Question VIII.C.31.*	☐ YES ☐ NO
29.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices	☐ YES ☐ NO
30.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
31.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.C.31 is "NO", go to Question VIII.C.36.*	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*		
Drains *(continued)*		
32.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.C.32 is "NO", go to Question VIII.C.36.*	☐ YES ☐ NO
33.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at any flow rate.	☐ YES ☐ NO
34.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 9, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO
35.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.100(l)(1) or (l)(2); and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds listed in 40 CFR Part 63 Subpart G, Table 8, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater *(continued)*		
Gas Streams		
36.	The application area includes gas streams meeting the characteristics of 40 CFR § 63.107(b) - (h) or the criteria of 40 CFR § 63.113(i) and are transferred to a control device not owned or operated by the applicant.	☐ YES ☐ NO
37.	The applicant is unable to comply with 40 CFR §§ 63.113 - 63.118 for one or more reasons described in 40 CFR § 63.100(q)(1), (3), or (5).	☐ YES ☐ NO
D. Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks		
1.	The application area includes chromium electroplating or chromium anodizing tanks located at hard chromium electroplating, decorative chromium electroplating, and/or chromium anodizing operations.	☐ YES ☒ NO
E. Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities		
1.	The application area includes sterilization facilities where ethylene oxide is used in the sterilization or fumigation of materials. *If the response to Question VIII.E.1 is "NO", go to Section VIII.F.*	☐ YES ☒ NO
2.	Sterilization facilities located in the application area are subject to 40 CFR Part 63, Subpart O. *If the response to Question VIII.E.2 is "NO", go to Section VIII.F.*	☐ YES ☐ NO
3.	The sterilization source has used less than 1 ton (907 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996.	☐ YES ☐ NO
4.	The sterilization source has used less than 10 tons (9070 kg) of ethylene oxide within all consecutive 12-month periods after December 6, 1996	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
F.	**Subpart Q - National Emission Standards for Industrial Process Cooling Towers**	
1.	The application area includes industrial process cooling towers. *If the response to Question VIII.F.1 is "NO", go to Section VIII.G.*	☒ YES ☐ NO
2.	Chromium-based water treatment chemicals have been used on or after September 8, 1994.	☐ YES ☒ NO
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)**	
1.	The application area includes a bulk gasoline terminal.	☐ YES ☒ NO
2.	The application area includes a pipeline breakout station. *If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO", go to Section VIII.H.*	☐ YES ☒ NO
3.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. *If the response to Question VIII.G.3 is "YES", go to Question VIII.G.9.*	☐ YES ☐ NO
4.	The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. *If the response to Question VIII.G.4 is "YES", go to Question VIII.G.9.*	☐ YES ☐ NO
5.	The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). *If the response to Question VIII.G.5 is "NO", go to Question VIII.G.9.*	☐ YES ☐ NO
6.	Emissions screening factor less than 0.5 (ET or EP < 0.5). *If the response to Question VIII.G.6 is "YES", go to Section VIII.H.*	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
G.	**Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) *(continued)***	
7.	Emissions screening factor greater than or equal to 0.5, but less than 1.0 (0.5 ≤ ET or EP < 1.0). *If the response to Question VIII.G.7 is "YES", go to Section VIII.H*	☐ YES ☐ NO ☐ N/A
8.	Emissions screening factor greater than or equal to 1.0 (ET or EP ≥ 1.0). *If the response to Question VIII.G.8 is "YES", go to Question VIII.G.10.*	☐ YES ☐ NO ☐ N/A
9.	The site at which the application area is located is a major source of HAP. *If the response to Question VIII.G.9 is "NO", go to Section VIII.H*	☐ YES ☐ NO
10.	The application area is using an alternative leak monitoring program as described in 40 CFR § 63.424(f).	☐ YES ☐ NO
H.	**Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry**	
1.	The application area includes processes that produce pulp, paper, or paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. *If the response to Question VIII.H.1 is "NO", go to Section VIII.I.*	☐ YES ☒ NO
2.	The application area uses processes and materials specified in 40 CFR § 63.440(a)(1) - (3). *If the response to Question VIII.H.2 is "NO", go to Section VIII.I.*	☐ YES ☐ NO
3.	The application area includes one or more sources subject to 40 CFR Part 63, Subpart S that are existing sources. *If the response to Question VIII.H.3 is "NO", go to Section VIII.I.*	☐ YES ☐ NO
4.	The application area includes one or more kraft pulping systems that are existing sources.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
H.	**Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry *(continued)***	
5.	The application area includes one or more dissolving-grade bleaching systems that are existing sources at a kraft or sulfite pulping mill.	☐ YES ☐ NO
6.	The application area includes bleaching systems that are existing sources and are complying with the Voluntary Advanced Technology Incentives Program for Effluent Limitation Guidelines in 40 CFR § 430.24. *If the response to Question VIII.H.6 is "NO", go to Section VIII.I.*	☐ YES ☐ NO
7.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(i).	☐ YES ☐ NO
8.	The application area includes bleaching systems that are complying with 40 CFR § 63.440(d)(3)(ii).	☐ YES ☐ NO
I.	**Subpart T - National Emission Standards for Halogenated Solvent Cleaning**	
1.	The application area includes an individual batch vapor, in-line vapor, in-line cold, and/or batch cold solvent cleaning machine that uses a hazardous air pollutant (HAP) solvent, or any combination of halogenated HAP solvents, in a total concentration greater than 5% by weight, as a cleaning and/or drying agent.	☐ YES ☒ NO
2.	The application area is located at a major source and includes solvent cleaning machines, qualifying as affected facilities, that use perchloroethylene, trichloroethylene or methylene chloride.	☐ YES ☒ NO
3.	The application area is located at an area source and includes solvent cleaning machines, other than cold batch cleaning machines, that use perchloroethylene, trichloroethylene or methylene chloride.	☐ YES ☒ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*	
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins	
1. The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. *If the response to Question VIII.J.1 is "NO", go to Section VIII.K.*	☐ YES ☒ NO
2. Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. *If the response to Question VIII.J.2 is "NO", go to Section VIII.K.*	☐ YES ☐ NO
3. The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482.	☐ YES ☐ NO
4. The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482.	☐ YES ☐ NO
5. All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.J.5. is "YES", go to Question VIII.J.15.*	☐ YES ☐ NO
6. The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.J.6. is "NO", go to Question VIII.J.8.*	☐ YES ☐ NO
7. The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins *(continued)*		
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the response to Question VIII.J.8 - VIII.J.9 are both "NO", go to Question VIII.J.11.*	☐ YES ☐ NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
Containers		
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
Drains		
12.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.J.12. is "NO", go to Question VIII.J.15.*	☐ YES ☐ NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
J. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins *(continued)*		
Drains *(continued)*		
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an elastomer product process unit. *If the response to Question VIII.J.15 is "NO", go to Section VIII.K.*	☐ YES ☐ NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.501(a)(12). *If the response to Question VIII.J.16 is "NO", go to Section VIII.K.*	☐ YES ☐ NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at any flow rate.	☐ YES ☐ NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an elastomer product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.482, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
K.	**Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production**	
1.	The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. *If the response to Question VIII.K.1 is "NO" or "N/A", go to Section VIII.L.*	☐ YES ☒ NO ☐ N/A
2.	The application area includes a BLR and/or WSR research and development facility.	☐ YES ☐ NO
L.	**Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting**	
1.	The application area includes one or more of the affected sources in 40 CFR § 63.541(a) that are located at a secondary lead smelter. *If the response to Question VIII.L.1 is "NO" or "N/A", go to Section VIII.M.*	☐ YES ☒ NO ☐ N/A
2.	The application area is using and approved alternate to the requirements of § 63.545(c)(1)-(5) for control of fugitive dust emission sources.	☐ YES ☐ NO
M.	**Subpart Y - National Emission Standards for Marine Tank Vessel Loading Operations**	
1.	The application area includes marine tank vessel loading operations that are specified in 40 CFR § 63.560 and located at an affected source as defined in 40 CFR § 63.561.	☐ YES ☒ NO
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries**	
	Applicability	
1.	The application area includes petroleum refining process units and/or related emission points that are specified in 40 CFR § 63.640(c)(1) - (c)(7). *If the response to Question VIII.N.1 is "NO", go to Section VIII.O.*	☐ YES ☒ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*	
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries	
Applicability	
2. All petroleum refining process units/and or related emission points within the application area are specified in 40 CFR § 63.640(g)(1) - (g)(7). *If the response to Question VIII.N.2 is "YES", go to Section VIII.O.*	☐ YES ☐ NO
3. The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "NO", go to Section VIII.O.*	☐ YES ☐ NO
4. The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "NO", go to Section VIII.O.*	☐ YES ☐ NO
5. The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ YES ☐ NO
6. The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ YES ☐ NO
7. The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "NO", go to Section VIII.O.*	☐ YES ☐ NO
8. The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries *(continued)*		
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "NO", go to Section VIII.O*	☐ YES ☐ NO
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐ YES ☐ NO
Containers, Drains, and other Appurtenances		
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ YES ☐ NO
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ YES ☐ NO
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations		
1.	The application area is located at a plant site receiving material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "NO" or "N/A", go to Section VIII.P.*	☒ YES ☐ NO ☐ N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☒ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*	
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations	
3. The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☒ YES ☐ NO
4. The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10).	☐ YES ☒ NO
5. The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality."	☒ YES ☐ NO
6. The predominant activity in the application area is the treatment of wastewater received from off-site.	☐ YES ☒ NO
7. The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6).	☐ YES ☒ NO
8. The application area has a recovery operation that recycles or reprocesses used solvent which is an off-site material and is not part of a chemical, petroleum, or other manufacturing process that is required to use air emission controls by another subpart of 40 CFR Part 63 or Part 61.	☐ YES ☒ NO
9. The application area has a recovery operation that re-refines or reprocesses used oil which is an off-site material and is regulated under 40 CFR Part 279, Subpart F (Standards for Used Oil Processors and Refiners).	☐ YES ☒ NO
10. The application area is located at a site where the total annual quantity of HAPs in the off-site material is less than 1 megagram per year. *If the response to Question VIII.O.10 is "YES", go to Section VIII.P.*	☐ YES ☒ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations		
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "NO", go to Question VIII.O.14.*	☒ YES ☐ NO
12.	VOHAP concentration is determined by direct measurement.	☐ YES ☒ NO
13.	VOHAP concentration is based on knowledge of the offsite material.	☒ YES ☐ NO
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "NO", go to Question VIII.O.17.*	☒ YES ☐ NO
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☒ YES ☐ NO
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☒ YES ☐ NO
17.	The application area includes containers that manage non-exempt off-site material.	☒ YES ☐ NO
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ YES ☒ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
P.	**Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities**	
1.	The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. *If the response to Question VIII.P.1 is "NO" or "N/A", go to Section VIII.Q.*	☐ YES ☒ NO ☐ N/A
2.	The application area includes one or more of the affected sources specified in 40 CFR § 63.741(c)(1) - (7).	☐ YES ☐ NO
Q.	**Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.**	
☐ 1.	The application area is subject to 40 CFR Part 63, Subpart HH - National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities. *For GOP applications, go to Section VIII.Y*	☐ YES ☒ NO
R.	**Subpart II - National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)**	
1.	The application area includes shipbuilding or ship repair operations. *If the response to Question VIII.R.1 is "NO", go to Section VIII.S.*	☐ YES ☒ NO
2.	Shipbuilding or ship repair operations located in the application area are subject to 40 CFR Part 63, Subpart II.	☐ YES ☐ NO
S.	**Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations**	
1.	The application area includes wood furniture manufacturing operations and/or wood furniture component manufacturing operations. *If the response to Question VIII.S.1 is "NO" or "N/A", go to Section VIII.T.*	☐ YES ☐ NO ☒ N/A
2.	The application area meets the definition of an "incidental wood manufacturer" as defined in 40 CFR § 63.801.	☐ YES ☐ NO
T.	**Subpart KK - National Emission Standards for the Printing and Publishing Industry**	
1.	The application area includes publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.	☐ YES ☒ NO ☐ N/A

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
U.	**Subpart PP - National Emission Standards for Containers**	
1.	The application area includes containers for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart PP for the control of air emissions. *If the response to Question VIII.U.1 is "NO", go to Section VIII.V.*	☒ YES ☐ NO
2.	The application area includes containers using Container Level 1 controls.	☒ YES ☐ NO
3.	The application area includes containers using Container Level 2 controls.	☒ YES ☐ NO
4.	The application area includes containers using Container Level 3 controls.	☐ YES ☒ NO
V.	**Subpart RR - National Emission Standards for Individual Drain Systems**	
1.	The application area includes individual drain systems for which another 40 CFR Part 60, 61, or 63 subpart references the use of 40 CFR Part 63, Subpart RR for the control of air emissions.	☐ YES ☒ NO
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
1.	The application area includes an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process..	☐ YES ☒ NO
2.	The application area includes process wastewater streams generated from an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process. *If the response to Questions VIII.W.1. and VIII.W.2. are both "NO," go to Question VIII.W.20*	☐ YES ☒ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
3.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 under the requirements of 40 CFR § 63.132(c).	☐ YES ☐ NO
4.	The application area includes process wastewater streams that are determined to be Group 2 under the requirements of 40 CFR § 63.132(c).	☐ YES ☐ NO
5.	All Group 1 wastewater streams at the site are determined to have a total source mass flow rate of less than 1 MG/yr.	☐ YES ☐ NO
6.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.W.6. is "NO", go to Question VIII.W.8.*	☐ YES ☐ NO
7.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
8.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
9.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the response to Question VIII.W.8. and W.9. are both "NO", go to Question VIII.W.11.*	☐ YES ☐ NO
10.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
11.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
12.	The application area includes individual drain systems that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.W.12. is "NO", go to Question VIII.W.15.*	☐ YES ☐ NO
13.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
14.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
15.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an acetal resins production process unit; an acrylic and modacrylic fiber production process unit complying with 40 CFR § 63.1103(b)(3)(i); or an existing polycarbonate production process unit. *If the response to Question VIII.W.15. is "NO", go to Question VIII.W.20.*	☐ YES ☐ NO
16.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.1106(c)(1) - (3). *If the response to Question VIII.W.16. is "NO", go to Question VIII.W.20.*	☐ YES ☐ NO
17.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at any flow rate.	☐ YES ☐ NO

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an acetyl resins or acrylic and modacrylic fiber production process unit that is part of a new affected source or is a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 ppmw of compounds meeting the definition of organic HAP in Table 9 to 40 CFR Part 60, Subpart G, at an average annual flow rate greater than or equal to 0.02 liter per minute.	☐ YES ☐ NO
20.	The application area includes an ethylene production process unit.	☐ YES ☒ NO ☐ N/A
21.	The application area includes waste streams generated from an ethylene production process unit. *If the response to Questions VIII.W.20. and VIII.W.21. are both "NO" or "N/A," go to Question VIII.W.53.*	☐ YES ☒ NO ☐ N/A
22.	The waste stream(s) contains at least one of the chemicals listed in 40 CFR § 63.1103(e), Table 7(g)(1). *If the response to Question VIII.W.22. is "NO," go to Question VIII.W.53.*	☐ YES ☐ NO
23.	Waste stream(s) are transferred off-site for treatment. *If the response to Question VIII.W.23. is "NO," go to Question VIII.W.25.*	☐ YES ☐ NO

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
24.	The application area has waste management units that treat or manage waste stream(s) prior to transfer off-site for treatment. *If the response to Question VIII.W.24. is "YES," go to Question VIII.W.54*	☐ YES ☐ NO
25.	The total annual benzene quantity from waste at the site is less than 10 Mg/yr as determined according to 40 CFR § 61.342(a).	☐ YES ☐ NO
26.	The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). *If the response to Question VIII.W.26. is "NO," go to Question VIII.W.43.*	☐ YES ☐ NO
27.	The waste stream(s) contains at least 10 ppmw 1,3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. *If the response to Question VIII.W.27. is "NO," go to Question VIII.W.43.*	☐ YES ☐ NO
28.	The control requirements of 40 CFR Part 63, Subpart G for process wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). *If the response to Question VIII.W.28. is "NO," go to Question VIII.W.33*	☐ YES ☐ NO
29.	The application area includes containers that receive, manage, or treat a continuous butadiene waste stream.	☐ YES ☐ NO
30.	The application area includes individual drain systems that receive, manage, or treat a continuous butadiene waste stream. *If the response to Question VIII.W.30. is "NO", go to Question VIII.W.43.*	☐ YES ☐ NO
31.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If a response to Question VIII.W.32. is required, go to Question VIII.W.43.*	☐ YES ☐ NO
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33. is "NO", go to Question VIII.W.36.*	☐ YES ☐ NO
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "YES", go to Question VIII.W.36.*	☐ YES ☐ NO
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36. is "NO", go to Question VIII.W.43.*	☐ YES ☐ NO
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "YES", go to Question VIII.W.43.*	☐ YES ☐ NO
38.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.38 is "NO", go to Question VIII.W.40.*	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards		
39.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
40.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.40. is "NO", go to Question VIII.W.43.*	☐ YES ☐ NO
41.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ YES ☐ NO
42.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☐ NO
43.	The application area has at least one waste stream that contains benzene. *If the response to Question VIII.W.43 is "NO", go to Question VIII.W.54.*	☐ YES ☐ NO
44.	The application area has containers, as defined in 40 CFR § 61.341, that receive a waste stream containing benzene. *If the response to Question VIII.W.44. is "NO", go to Question VIII.W.47.*	☐ YES ☐ NO
45.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.45 is "YES", go to Question VIII.W.47.*	☐ YES ☐ NO
46.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
47.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a waste stream containing benzene. *If the response to Question VIII.W.47. is "NO", go to Question VIII.W.54.*	☐ YES ☐ NO
48.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.48 is "YES", go to Question VIII.W.54.*	☐ YES ☐ NO
49.	The application area has individual drain systems complying with 40 CFR § 61.346(a). *If the response to Question VIII.W.49 is "NO", go to Question VIII.W.51.*	☐ YES ☐ NO
50.	Covers and closed-vent systems used for individual drain systems operate such that the individual drain system is maintained at a pressure less than atmospheric pressure.	☐ YES ☐ NO
51.	The application area has individual drain systems complying with 40 CFR § 61.346(b). *If the response to Question VIII.W.51. is "NO", go to Question VIII.W.54.*	☐ YES ☐ NO
52.	Junction boxes in the individual drain systems are equipped with a system to prevent the flow of organic vapors from the junction box vent pipe to the atmosphere during normal operation.	☐ YES ☐ NO
53.	Junction box vent pipes in the individual drain systems are connected to a closed-vent system and control device.	☐ YES ☒ NO
54.	The application area contains a cyanide chemicals manufacturing process. *If the response to Question VIII.W.54is "NO", go to Section VIII.X.*	☐ YES ☒ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards**	
55.	The cyanide chemicals manufacturing process generates maintenance wastewater containing hydrogen cyanide or acetonitrile.	☐ YES ☐ NO
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins *(continued)***	
1.	The application area includes thermoplastic product process units, and/or their associated affected sources specified in 40 CFR § 63.1310(a)(1) - (5), that are subject to 40 CFR Part 63, Subpart JJJ. *If the response to Question VIII.X.1. is "NO", go to Section VIII.Y.*	☐ YES ☒ NO
2.	The application area includes thermoplastic product process units and/or wastewater streams and wastewater operations that are associated with thermoplastic product process units. *If the response to Question VIII.X.2 is "NO", go to Section VIII.Y.*	☐ YES ☐ NO
3.	All process wastewater streams generated or managed in the application area are from sources producing polystyrene. *If the response to Question VIII.X.3. is "YES", go to Section VIII.Y.*	☐ YES ☐ NO
4.	All process wastewater streams generated or managed in the application area are from sources producing ASA/AMSAN. *If the response to Question VIII.X.4. is "YES", go to Section VIII.Y.*	☐ YES ☐ NO
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins *(continued)*		
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.X.8. is "YES", go to Question VIII.X.18.*	☐ YES ☐ NO
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.X.9. is "NO", go to Question VIII.X.11.*	☐ YES ☐ NO
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the response to Question VIII.X.11. - VIII.X.12. are both "NO", go to Question VIII.X.14.*	☐ YES ☐ NO
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
Containers		
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*

X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins *(continued)*

Drains *(continued)*

15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15. is "NO", go to Question VIII.X.18.*	☐ YES ☐ NO
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of an thermoplastic product process unit. *If the response to Question VIII.X.18. is "NO", go to Section VIII.Y.*	☐ YES ☐ NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19. is "NO", go to Section VIII.Y.*	☐ YES ☐ NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ YES ☐ NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ YES ☐ NO

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VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins *(continued)***	
	Drains *(continued)*	
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ YES ☐ NO
Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.**	
1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units.	☐ YES ☒ NO
Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
☐ 1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ YES ☒ NO
AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ YES ☒ NO
2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)		
3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO", go to Section VIII.BB.*	☐ YES ☒ NO
4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "NO", go to Section VIII.BB.*	☐ YES ☐ NO
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "NO", go to Question VIII.AA.17.*	☐ YES ☐ NO
6.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF.	☐ YES ☐ NO
7.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.AA.7. is "YES", go to Section VIII.BB.*	☐ YES ☐ NO
8.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. *If the response to Question VIII.AA.8. is "NO", go to Question VIII.AA.10.*	☐ YES ☐ NO
9.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*	
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)	
10. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ YES ☐ NO
11. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the response to Question VIII.AA.10. and VIII.AA.11. are both "NO", go to Question VIII.AA.13.*	☐ YES ☐ NO
12. The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ YES ☐ NO
13. The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ YES ☐ NO
14. The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.14. is "NO", go to Question VIII.AA.17.*	☐ YES ☐ NO
15. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices.	☐ YES ☐ NO
16. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ YES ☐ NO
17. The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). *If the response to Question VIII.AA.17. is "NO", go to Section VIII.BB.*	☐ YES ☐ NO

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VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)*		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)		
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes (that are part of a miscellaneous chemical manufacturing process unit) that meet the criteria listed in 40 CFR § 63.149(d). *If the response to Question VIII.AA.18 is "NO", go to Section VIII.BB.*	☐ YES ☐ NO
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 10,000 ppmw at any flowrate, and the total annual load of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 200 lb/yr.	☐ YES ☐ NO
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration of compounds in table 8 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 1,000 ppmw, and the annual average flowrate is greater than or equal to 1 liter per minute.	☐ YES ☐ NO
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of a chemical manufacturing process unit that is subject to the new source requirements of 40 CFR § 63.2445(a); and the equipment conveys water with a combined total annual average concentration of compounds in tables 8 and 9 of 40 CFR Part 63, Subpart FFFF is greater than or equal to 30,000 ppmw, and the combined total annual load of compounds in tables 8 and 9 to this subpart is greater than or equal to 1 tpy.	☐ YES ☐ NO
BB. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.		
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐ YES ☒ NO

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CC. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation	
1. The application area includes a facility at which a site remediation is conducted. *If the answer to Question .CC.1. is "NO", go to Section VIII.DD.*	☐ YES ☒ NO
2. All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question .CC.2. is "YES", go to Section VIII.DD.*	☐ YES ☐ NO
3. Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr.	☐ YES ☐ NO
4. The site remediation will be completed within 30 consecutive calendar days.	☐ YES ☐ NO
5. The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.5 is "NO", go to Section VIII.DD.*	☐ YES ☐ NO
6. The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ YES ☐ NO
7. The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐ YES ☐ NO
8. The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ YES ☐ NO
9. The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ YES ☐ NO
DD. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities	
1. The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question DD.1. is "NO", go to Section VIII.EE.*	☐ YES ☒ NO

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DD. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities

2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to 40 CFR Part 63, Subpart R.	☐ YES ☐ NO
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ YES ☐ NO
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.DD.4. is "NO", go to Question VIII.DD.6.*	☐ YES ☐ NO
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ YES ☐ NO
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.DD.6. is "NO", go to Section VIII.EE.*	☐ YES ☐ NO
7.	The bulk gasoline terminal has a throughput of less than 250,000 gallons per day. *If the answer to Question VIII.DD.7. is "YES", go to Section VIII.EE.*	☐ YES ☐ NO
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ YES ☐ NO
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.DD.9. is "NO", go to Section VIII.EE.*	☐ YES ☐ NO
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ YES ☐ NO
11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State , local, or tribal rule or permit.	☐ YES ☐ NO

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For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

VIII.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES *(continued)***	
	EE. Recently Promulgated 40 CFR Part 63 Subparts	
☐	1. The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.EE.1. is "NO", go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions*	☒ YES ☐ NO
☐	2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	
EEE, ZZZZ, DDDDD		
IX.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 68 (40 CFR PART 68) - CHEMICAL ACCIDENT PREVENTION PROVISIONS**	
	A. Applicability	
☐	1. The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐ YES ☒ NO
X.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE**	
	A. Subpart A - Production and Consumption Controls	
☐	1. The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☒ YES ☐ NO ☐ N/A
	B. Subpart B - Servicing of Motor Vehicle Air Conditioners	
☐	1. Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ YES ☒ NO
	C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	
☐	1. The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ YES ☒ NO ☐ N/A

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Area Name: Port Arthur Facility		

For SOP applications, answer ALL questions unless otherwise directed.
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X.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE *(continued)***		
	D.	**Subpart D - Federal Procurement**	
☐	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ YES ☒ NO ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
☐	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ YES ☒ NO ☐ N/A
☐	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ YES ☒ NO ☐ N/A
☐	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ YES ☒ NO ☐ N/A
	F.	**Subpart F - Recycling and Emissions Reduction**	
☐	1.	Servicing, maintenance, and/or repair on refrigeration and nonmotor vehicle air condition appliances using ozone-depleting refrigerants or non-exempt substitutes is conducted in the application area.	☒ YES ☐ NO
☐	2.	Disposal of appliances (including motor vehicle air conditioners) or refrigerant or non-exempt substitute reclamation occurs in the application area.	☐ YES ☒ NO ☐ N/A
☐	3.	The application area manufactures appliances or refrigerant recycling and recovery equipment.	☐ YES ☒ NO ☐ N/A
	G.	**Subpart G - Significant New Alternatives Policy Program**	
☐	1.	The application area manufactures, formulates, or creates chemicals, product substitutes, or alternative manufacturing processes that are intended for use as a replacement for a Class I or Class II compound. *If the response to Question X.G.1 is "NO", go to Section X.H.*	☐ YES ☒ NO ☐ N/A
☐	2.	All substitutes produced by the application area meet one or more of the exemptions in 40 CFR § 82.176(b)(1) - (7).	☐ YES ☐ NO ☐ N/A

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For SOP applications, answer ALL questions unless otherwise directed.
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X.	**TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE**		
	H.	**Subpart H -Halon Emissions Reduction**	
☐	1.	Testing, servicing, maintaining, repairing, or disposing of equipment containing halons is conducted in the application area.	☒ YES ☐ NO ☐ N/A
☐	2.	Disposal of halons or manufacturing of halon blends is conducted in the application area.	☒ YES ☐ NO ☐ N/A
XI.	**MISCELLANEOUS**		
	A.	**Requirements Reference Tables (RRT) and Flowcharts**	
	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed an RRT and flowchart.	☒ YES ☐ NO
	B.	**Forms**	
☐	1.	The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form. *If the response to Question XI.B.1 is "NO" or "N/A", go to Section XI.C.*	☒ YES ☐ NO ☐ N/A
☐	2.	Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter and Division designation for the State regulation(s) in the space provided below.	
40 CFR 63, Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters; 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines			
	C.	**Emission Limitation Certifications**	
☐	1.	The application area includes units for which federally enforceable emission limitations have been established by certification.	☐ YES ☒ NO

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☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XI.	**MISCELLANEOUS *(continued)***	
D.	**Alternative Means of Control, Alternative Emission Limitation or Standard, or Equivalent Requirements**	
1.	The application area is located at a site that is subject to a site specific requirement of the state implementation plan (SIP).	☐ YES ☒ NO
2.	The application area includes units located at the site that are subject to a site specific requirement of the SIP.	☐ YES ☒ NO
3.	The application area includes units which demonstrate compliance by using an alternative means of control, alternative emission limitation or standard or equivalent requirements approved by the EPA Administrator.	☐ YES ☒ NO
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ YES ☒ NO
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7	☐ YES ☒ NO
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ YES ☒ NO
F.	**Clean Air Interstate Rule (CAIR NO_x and CAIR SO_2 Permit)**	
1.	The application area includes emission units subject to the requirements of the Clean Air Interstate Rule. *If the response to Question XI.F.1. is "NO", go to Section XI.G.*	☐ YES ☒ NO
2.	The application area includes emission units qualifying for the retired unit exemptions under 40 CFR §§ 96.105 and 96.205.	☐ YES ☐ NO

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For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XI.	**MISCELLANEOUS *(continued)***		
	G.	**Permit Shield (SOP Applicants Only)**	
	1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ YES ☐ NO
	H.	**GOP Type (Complete this section for GOP applications only)**	
☐	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Fort Bend, Galveston, Hardin, Harris, Jefferson, Liberty, Montgomery, Orange, Tarrant, and Waller Counties.	☐ YES ☐ NO
☐	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ YES ☐ NO
☐	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ YES ☐ NO
☐	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, San Patricio, Tarrant, Travis, Victoria, and Waller County.	☐ YES ☐ NO
☐	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under 517 Municipal Solid Waste Landfill general operating permit.	☐ YES ☐ NO

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For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XI.	MISCELLANEOUS *(continued)*		
	I.	**Title 30 TAC Chapter 101, Subchapter H**	
☐	1.	The application area is located in a nonattainment area. *If the response to Question XI.I.1. is "NO", go to question XI.I.3.*	☒ YES ☐ NO
☐	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ YES ☒ NO ☐ N/A
☐	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ YES ☒ NO ☐ N/A
☐	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NOx.	☐ YES ☒ NO
☐	5.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ YES ☒ NO
☐	6.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ YES ☒ NO
☐	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ YES ☒ NO
	J.	**Periodic Monitoring**	
☐	1.	The applicant or permit holder is submitting or has previously submitted at least one periodic monitoring proposal described on Form OP-MON.	☒ YES ☐ NO

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For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XI.	MISCELLANEOUS *(continued)*		
	K.	**Compliance Assurance Monitoring**	
☐	1.	The application area includes at least one unit with a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.K.1. is "NO", go to Section XII.*	☒ YES ☐ NO
☐	2.	The unit or units defined by XI.K.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.K.2. is "NO", go to Section XII.*	☒ YES ☐ NO
☐	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ YES ☒ NO
☐	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application.	☐ YES ☒ NO
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ YES ☒ NO
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
☐	7.	At least one unit defined by XI.K.1. and XI.K.2. is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☒ YES ☐ NO
☐	8.	All units defined by XI.K.1. and XI.K.2. are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.K.8. is "YES", go to Section XII.*	☒ YES ☐ NO
☐	9.	The CAM proposal as described by question XI.K.3.or XI.K.4. addresses particulate matter or opacity.	☐ YES ☐ NO
☐	10.	The CAM proposal as described by question XI.K.3.or XI.K.4. addresses VOC.	☐ YES ☐ NO
☐	11.	The control device in the CAM proposal as described by question XI.K.3.or XI.K.4. has a bypass.	☐ YES ☐ NO

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For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XII.	NEW SOURCE REVIEW (NSR) AUTHORIZATIONS	
	A. Waste Permits with Air Addendum	
☐	1. The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the answer to XII.A.1. is "YES", include the waste permit numbers and issuance date in Section XII.J.*	☐ YES ☒ NO
	B. Air Quality Standard Permits	
☐	1. The application area includes at least one Air Quality Standard Permit NSR authorization. *If the response to XII.B.1 is "NO", go to Section XII.C. If the response to XII.B.1 is "YES", be sure to include the standard permit's registration numbers in Section XII.H, and answer XII.B.2 - B.13 as appropriate.*	☒ YES ☐ NO
☐	2. The application area includes at least one "Pollution Control Project" Air Quality Standard Permit NSR authorization.	☒ YES ☐ NO
☐	3. The application area includes at least one "Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO
☐	4. The application area includes at least one "Municipal Solid Waste Landfill" Air Quality Standard Permit NSR authorization under 30 TAC § 116.621.	☐ YES ☒ NO
☐	5. The application area includes at least one "Municipal Solid Waste Landfill Facilities and Transfer Stations" Standard Permit authorization under 30 TAC Chapter 330, Subchapter U.	☐ YES ☒ NO
	6. The application area includes at least one "Concrete Batch Plant" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO
	7. The application area includes at least one "Concrete Batch Plant with Enhanced Controls" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO
	8. The application area includes at least one "Hot Mix Asphalt Plant" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO
☐	9. The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO

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For SOP applications, answer ALL questions unless otherwise directed.
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XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS *(continued)*		
B. Air Quality Standard Permits		
☐	10. The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.10 is "NO", go to Question XII.B.13.*	☐ YES ☒ NO
☐	11. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ YES ☒ NO
☐	12. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ YES ☒ NO
☐	13. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ YES ☒ NO
C. Flexible Permits		
☐	1. The application area includes at least one Flexible Permit NSR authorization.	☐ YES ☒ NO
D. Multiple Plant Permits		
	1. The application area includes at least one Multi-Plant Permit NSR authorization.	☐ YES ☒ NO

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Area Name: Port Arthur Facility		

For SOP applications, answer ALL questions unless otherwise directed.
☐ *For GOP applications, answer ONLY these questions unless otherwise directed.*

XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (Attach additional sheets if necessary)							
☐ **E. PSD Permits and PSD Major Pollutants**							
PSD Permit No.:	Pollutant(s)						
PSD Permit No.:	Pollutant(s)						
PSD Permit No.:	Pollutant(s)						
PSD Permit No.:	Pollutant(s)						
☐ **F. Nonattainment (NA) Permits and NA Major Pollutants**							
NA Permit No.:	Pollutant(s)						
NA Permit No.:	Pollutant(s)						
NA Permit No.:	Pollutant(s)						
NA Permit No.:	Pollutant(s)						
☐ **G. NSR Authorizations with FCAA § 112(g) Requirements**							
NSR Permit No.:	NSR Permit No.:						
NSR Permit No.:	NSR Permit No.:						
NSR Permit No.:	NSR Permit No.:						
☐ **H Title 30 TAC Chapter 116 Permits, Special Permits, Standard Permits, Other Authorizations (Other Than Permits By Rule, PSD Permits, NA Permits) for the Application Area.**							
Authorization No.: 42450	Authorization No.:						
Authorization No.: 73331	Authorization No.:						
Authorization No.:	Authorization No.:						
Authorization No.:	Authorization No.:						
Authorization No.:	Authorization No.:						
Authorization No.:	Authorization No.:						
Authorization No.:	Authorization No.:						

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Area Name: Port Arthur Facility		

For SOP applications, answer ALL questions unless otherwise directed.
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XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (Attach additional sheets if necessary)

☐ **I. Permits by Rule (30 TAC Chapter 106) for the Application Area**

A list of selected Permits by Rule (previously referred to as standard exemptions) that are required to be listed in the FOP application is available in the instructions.

PBR No.: 051	Version No./Date: 06/07/1996
PBR No.: 051	Version No./Date: 07/26/1985
PBR No.: 106	Version No./Date: 07/26/1985
PBR No.: 118	Version No./Date: 07/26/1985
PBR No.: 051	Version No./Date: 08/11/1989
PBR No.: 053	Version No./Date: 05/12/1981
PBR No.: 053	Version No./Date: 08/11/1989
PBR No.: 107	Version No./Date: 06/18/1992
PBR No.: 075	Version No./Date: 06/18/1992
PBR No.: 061	Version No./Date: 07/15/1988
PBR No.: 014	Version No./Date: 06/18/1992
PBR No.: 106.433	Version No./Date: 08/11/1989
PBR No.: 106.124	Version No./Date: 09/04/2000

☐ **J. Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum**

Permit No.:	Permit No.:
Permit No.:	Permit No.:
Permit No.:	Permit No.:
Permit No.:	Permit No.:

Texas Commission on Environmental Quality
Form OP-REQ2
Negative Applicable Requirement Determinations
Federal Operating Permit Program

Date: 07/09/2012	Regulated Entity No.: **102599719**	Permit No.: **O-1509**
Company Name: **Veolia ES Technical Solutions, L.L.C.**	Area Name: **Port Arthur Facility**	

Unit AI	Revision No.	Unit/Group/Process ID No.	Unit/Group/Process Applicable Form	Potentially Applicable Regulatory Name	Negative Applicability Citation	Negative Applicability Reason
A	10	INCBKUP	UA-2	MACT ZZZZ	63.6590(b)(3)(iii)	This engine has a rated capacity > 500 hp and is located at a major source of HAPs. Therefore, it is exempt from 40 CFR Part 63, Subpart ZZZZ MACT requirements.
A	12	DWBKUP	UA-2	MACT ZZZZ	63.6590(b)(3)(iii)	This engine has a rated capacity > 500 hp and is located at a major source of HAPs. Therefore, it is exempt from 40 CFR Part 63, Subpart ZZZZ MACT requirements.
A	14	BASIN2	UA-1	MACT ZZZZ	63.6590(c)(7)	This engine is subject to 40 CFR Part 60, Subpart IIII NSPS which makes it exempt from 40 CFR Part 63, Subpart ZZZZ MACT requirements..

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7	BOILERA	OP-UA6	63DDDDD	HAPS	40 CFR 63, Subpart DDDDD	40 CFR 63.7500(a)(1), Table 3
						40 CFR 63.7540(a)(10)[g]
8	BOILERB	OP-UA6	63DDDDD	HAPS	40 CFR 63, Subpart DDDDD	40 CFR 63.7500(a)(1), Table 3
						40 CFR 63.7540(a)(10)[g]
11	WTPBKUP	OP-UA2	63ZZZZ-1	HAPS	40 CFR 63, Subpart ZZZZ	40 CFR 63.6602, Table 2c
						40 CFR 63.6605[g]
						40 CFR 63.6625(e), (f), (h), (i)
						40 CFR 63.6640[g]
						40 CFR 63.6655(a), (b), (d)-(f)

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[illegible] Veolia ES Technical Solutions, L.L.C.	[illegible] Port Arthur Facility		

[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]	[illegible]
14	BASIN2	OP-UA1	60IIII	NOX	40 CFR 60, Subpart IIII	40 CFR 60.4201(a),(g)
				CO		40 CFR 60.4204(b),(e)
				PM		40 CFR 60.4206, 4208(a)
				VOC		40 CFR 60.4207(a),(b)
						40 CFR 60.4211(a)[g], (e)[g]
13	BASIN3	OP-UA2	63ZZZZ-1	HAPS	40 CFR 63, Subpart ZZZZ	40 CFR 63.6602, Table 2c
						40 CFR 63.6605[g]
						40 CFR 63.6625(e),(h),(i)
						40 CFR 63.6640[g]

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15	FUELDISP1	OP-UA4	R115C-1	VOC	Chapter 115, Subch. C, Div 1	115.214(a)(1)[g]
16	UNLOAD	OP-UA4	R115C-2	VOC	Chapter 115, Subch. C, Div 1	115.214(a)(1)[g]

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7	BOILERA	63DDDDD	HAPS		40 CFR 63.7555(a)[g]	40 CFR 63.7545(a)
					40 CFR 63.7560(a)-(c)	40CFR 63.7550(b)(1)-(3)
						40CFR 63.7550(c)(12)
8	BOILERB	63DDDDD	HAPS		40 CFR 63.7555(a)[g]	40 CFR 63.7545(a)
					40 CFR 63.7560(a)-(c)	40 CFR 63.7550(b)(1)-(3)
						40 CFR 63.7550(c)(12)
11	WTPBKUP	63ZZZZ-2	HAPS	40 CFR 63.6625(f)	63.6655(a,(d)-(f))	63.6665, Table 8
13	BASIN3	63ZZZZ-2	HAPS		63.6655(a),(d)-(e)	63.6665, Table 8
15	FUELDISP1	R115C-1	VOC	115.215(4)	115.216(2)	
16	UNLOAD	R115C-1	VOC	115.215(4)	115.216(2)	

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SECTION 6

Compliance Form

TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

Responsible Official

For Site Operating Permits (SOPs), the complete application should be consulted for applicable requirements and their corresponding emission units when assessing compliance status.
For General Operating Permits (GOPs), the application documentation, particularly Form OP-REQ1 should be consulted as well as the requirements contained in the appropriate General Permits portion of 30 TAC Chapter 122.
Compliance should be assessed based, at a minimum, on the required monitoring, testing, record keeping, and/or reporting requirements, as appropriate, associated with the applicable requirement in question.

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TCEQ •

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.		Port Arthur Facility

WTPBKUP	R71CI-1		63.9(b)	Initial Notifications
63.9(b)	Records review of past 5 years		On-site record-keeping documentation	
Failure to notify state agency of source being subject to relevant standard.				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Notification of relevance to be sent to the agency within 90 days of this application submission.	
5. List of Activities/Milestones to Implement the Corrective Action Plan ***(Please do not exceed five steps or milestones. Consolidate steps, if necessary)***	
Submit Initial Notification letter to the TCEQ, as per 40 CFR 63.9(b) requirements, by October 9, 2012.	
6. Previously Submitted Compliance Plan(s)	
Type of Action	**Date Submitted**
"Otherwise" enter "N/A"	
7. Progress Report Submission Schedule (*The TCEQ reserves the right to require progress reports at more frequent intervals)*	
As needed, but not less frequent than every 6 months until the non-compliance has been corrected.	

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TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

				(See form instructions for details.)
BASIN3	R71CI-1		63.9(b)	Initial Notifications
63.9(b)	Records review of past 5 years	On-site record-keeping documentation		
Failure to notify state agency of source being subject to relevant standard.				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Notification of relevance to be sent to the agency within 90 days of this application submission.	
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TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

(See form instructions for details.)				
BASIN2	R71CI-1		60.4208(a)	Installation requirements of stationary CI ICE for 2007 model year engines.
60.4208(a)	Engine model data verification	On-site record-keeping documentation		
Potential non-compliance of model year requirements per 60.4208(a).				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Manufacturer certification and/or performance test to be performed.	
5. List of Activities/Milestones to Implement the Corrective Action Plan *(Please do not exceed five steps or milestones. Consolidate steps, if necessary)*	
Review manufacturer certifications and/or conduct performance test, by October 9, 2012.	
Based on results, if determination made to purchase a replacement that complies with 2007 model year requirements, will complete purchase by January 8, 2013.	
Revisions, based on performance determination will be provided to TCEQ as needed.	
6. Previously Submitted Compliance Plan(s)	
Type of Action	**Date Submitted**
"Otherwise" enter "N/A"	
7. Progress Report Submission Schedule (*The TCEQ reserves the right to require progress reports at more frequent intervals)*	
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TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

BASIN2	R71CI-1		60.4204(b),(e)	Emission standards of stationary CI ICE for 2007 model year engines.
60.4204(b),(e)	Engine model data verification	On-site record-keeping documentation		
Potential non-compliance of emission standards per 60.4204(b), (e).				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Manufacturer certification and/or performance test to be performed.	
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TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

(See form instructions for details.)				
BASIN2	R71CI-1		60.4201(a),(g)	Emission standards of stationary CI ICE for 2007 model year engines.
60.4201(a),(g)	Engine model data verification	On-site record-keeping documentation		
Potential non-compliance of emission standards per 60.4201(a), (g).				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Manufacturer certification and/or performance test to be performed.	
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7. Progress Report Submission Schedule (*The TCEQ reserves the right to require progress reports at more frequent intervals)*	
As needed, but not less frequent than every 6 months until the non-compliance has been corrected.	

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TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

BASIN2	R71CI-1		60.4211(a),(e)	Emission standards of stationary CI ICE for 2007 model year engines.
60.4211(a),(e)	Engine model data verification			On-site record-keeping documentation
Potential non-compliance of emission standards per 60.4211(a), (e).				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Manufacturer certification and/or performance test to be performed.	
5. List of Activities/Milestones to Implement the Corrective Action Plan *(Please do not exceed five steps or milestones. Consolidate steps, if necessary)*	
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Based on results, if determination made to purchase a replacement that complies with 2007 model year requirements, will complete purchase by January 8, 2013.	
Revisions, based on performance determination will be provided to TCEQ as needed.	
6. Previously Submitted Compliance Plan(s)	
Type of Action	**Date Submitted**
"Otherwise" enter "N/A"	
7. Progress Report Submission Schedule (*The TCEQ reserves the right to require progress reports at more frequent intervals)*	
As needed, but not less frequent than every 6 months until the non-compliance has been corrected.	

R5-2014-0104710000777

TCEQ

07/09/2012	102599719	O-1509
Veolia ES Technical Solutions, L.L.C.	Port Arthur Facility	

(See form instructions for details.)				
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BASIN2	R71CI-1		60.4212	Emission standards of stationary CI ICE for 2007 model year engines.
60.4212	Engine model data verification	On-site record-keeping documentation		
Potential non-compliance of emission standards per 60.4212. (applicable only if 60.4211(e)(2) is chosen as method of compliance)				

Texas Commission on Environmental Quality
Form OP-ACPS
Application Compliance Plan and Schedule

Date: 07/09/2012	**Regulated Entity No.:** 102599719	**Permit No.:** O-1509
Company Name: Veolia ES Technical Solutions, L.L.C.	**Area Name:** Port Arthur Facility	

Part 2 (*continued*)

4. Corrective Action Plan Description	
Manufacturer certification and/or performance test to be performed.	
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Type of Action	**Date Submitted**
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7. Progress Report Submission Schedule (*The TCEQ reserves the right to require progress reports at more frequent intervals)*	
As needed, but not less frequent than every 6 months until the non-compliance has been corrected.	

Appendix A

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR

SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
SAMPLING	CASTRKSAMP	TRKSAMPSTK	Truck Sampling Station	Truck Sampling Station	Point	1989	NSR Air Permit No. 42450	VOC	15	393,960	3,303,251
STORAGE3		STOR3A STOR3B STOR3C STOR3D	Truck and container storage building	Truck and Container Storage Building	Point	1989	NSR Air Permit No. 42450	VOC	15	394,322 394,327 394,334 394,339	3,303,122 3,303,125 3,303,129 3,303,134
STORAGE4A		STOR4A1 STOR4A2 STOR4A3 STOR4A4 STOR4A5 STOR4A6	Building 46 (Process Container Storage Bldg.)	Building 46	Point	1989	NSR Air Permit No. 42450	VOC	15	394,361 394,368 394,375 394,382 394,389 394,396	3,303,279 3,303,263 3,303,247 3,303,231 3,303,215 3,303,200
STORAGE 4B		STOR4B	Solids Storage Area	Solids Storage Area	Fug	1989	NSR Air Permit No. 42450	VOC	15	394,343	3,303,187
STORAGE5		STOR5A STOR5B STOR5C	Container Storage Building	Adjacent to Ash and Stabilization Container Storage Buildings	Point	2001	NSR Air Permit No. 42450	VOC	15	394,313 394,321 394,317	3,302,784 3,302,792 3,302,803
STORAGE6		STOR6	Stabilization Container Storage Building	Stabilization Container Storage Building	Point	1989	NSR Air Permit No. 42450	VOC	15	394,221	3,302,696
STORAGE7		STOR7	Ash Container Storage Building	Ash Container Storage Building	Point	1989	NSR Air Permit No. 42450	VOC	15	394,282	3,302,773
STORAGE8		STOR8	Deepwell container storage building	Deepwell Container Storage Building	Point	1989	NSR Air Permit No. 42450	VOC	15	393,839	3,303,122
UNLOAD		UNLBAY	Tank Truck Unloading Bays	Tank Truck Unloading Area	Fug	1989	NSR Air Permit No. 42450	VOC	15	394,191	3,302,920
T501	INCINERATE RTO101	INCINSTK RTO101	Energetic Sludge Storage Tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T502	INCINERATE RTO101	INCINSTK RTO101	Energetic Sludge Storage Tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T503	INCINERATE RTO101	INCINSTK RTO101	Energetic Sludge Storage Tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T504	INCINERATE RTO101	INCINSTK RTO101	Energetic Sludge Storage Tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T505	INCINERATE RTO101	INCINSTK RTO101	Non-energetic sludge storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T506	INCINERATE RTO101	INCINSTK RTO101	Non-energetic sludge storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T507	INCINERATE RTO101	INCINSTK RTO101	Non-energetic sludge storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T508	INCINERATE RTO101	INCINSTK RTO101	Non-energetic sludge storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR
SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
T521	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids holding tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T522	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids holding tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T523	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids holding tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T524	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids holding tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T509	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T510	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T511	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T512	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T513	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T551	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T552	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T553	INCINERATE RTO101	INCINSTK RTO101	Energetic liquids storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T514	INCINERATE RTO101	INCINSTK RTO101	Aqueous waste storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T515	INCINERATE RTO101	INCINSTK RTO101	Aqueous waste storage tank	Incinerator Tank Farm	Point	1989	Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T516	INCINERATE RTO101	INCINSTK RTO101	Aqueous waste storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
T550	INCINERATE RTO101	INCINSTK RTO101	Aqueous waste storage tank	Incinerator Tank Farm	Point	1989	NSR Air Permit No. 42450	VOC	15	394,206 394,248	3,302,775 3,302,894
TANKFARM		TKFUG1, TKFUG2	Incinerator tank farm piping fugitives	Incinerator Tank Farm	Fug	1989	NSR Air Permit No. 42450	VOC	15	394,168 394,179	3,302,935 3,302,888
T400A		T400A	Groundwater collection tank	Landfill	Point	1996	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	393,884	3,303,140
T101A	CASDW	CASSCRUBDW	Deepwell storage tank	Deepwell Injection facility	Point	1985	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	393,970	3,303,122

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR

SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
T101B	CASDW	CASSCRUBDW	Deepwell storage tank	Deepwell Injection facility	Point	1985	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	399,970	3,303,122
T102	CASDW	CASSCRUBDW	Deepwell storage tank	Deepwell Injection facility	Point	1985	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	399,970	3,303,122
T201	CAST201	CAST201	Deepwell storage tank	Deepwell Injection facility	Point	1985	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	393,895	3,303,144
DWFUG		DWFUG1	Deepwell fugitives (T-101A, T-101B, and T-102) - process piping, valves, flanges, and pumps	Deepwell Injection facility	Fug	1985	30 TAC §106.261(4) (previously Std. Ex. 106) and 30 TAC §106.262 (previously Std. Ex. 118)	VOC	15	393,945	3,303,104
DWFUG		DWFUG2	Deepwell fugitives (T-201) - process piping, valves, flanges, and pumps	Deepwell Injection facility	Fug	1985	30 TAC §106.261(4) (previously Std. Ex. 106) and 30 TAC §106.262 (previously Std. Ex. 118)	VOC	15	393,892	3,303,122
SOLIDSBLG1	INCINERATE RTO101	INCINSTK RTO101	Bulk Solids Processing in the Bulk Solids Building	Bulk Solids Building (Transload Building)	Point	1989	NSR Air Permit No. 42450	VOC PM	15	394,206 394,248	3,302,775 3,302,894
BMHB	BAGPRO RTO101	RTO101	Bulk Solids Processing in the Bulk Material Handling Building	Bulk Material Handling Building	Point	2004	NSR Air Permit No. 42450	VOC PM	15	394,206 394,248	3,302,775 3,302,894
TRKWASH	RTO101 BAGPRO	RTO101	Waste Processing in Truck Wash Building	Truck Wash Building	Point	1989	NSR Air Permit No. 42450	VOC PM	15	394,248	3,302,894
RTO101		RTO101	Regenerative Thermal Oxidizer for Bulk Solids Building, Truck Wash Building, and Bulk Mtl Handling Building	Bulk Material Handling Building	Point	2003	NSR Air Permit No. 42450	VOC NOx SO_2 CO PM	15	394,248	3,302,894

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR

SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
INCINERATE	KILN, SCC, QUENCH, ABSORB, IWS1, WESP	INCINSTK TRV	Incinerator	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	VOC NOx SOx PM CO Hydrogen Chloride Chlorine PCB Lead Cadmium Vanadium Mercury Arsenic Beryllium Chromium Nickel Vinyl Chloride Hydrogen Fluoride Total Chlorinated Dioxins Total Chlorinated Furans Acylamide Chloriomethylmethylether 1,2-dibromo-3-chloropropane Sym-dichloromethylether Dicrotophos Dimethyl carbamoyl chloride Diphenylmethane diisocyanate Isopropyl mercaptan Isophorone diisocyanate N-nitrosodiethanolamine N-nitrosodiethylamine Phosphine	15	394,206	3,302,775
ASH DROP		ASH DROP	Ash drop point	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	PM	15	394,245	3,302,827
INCFUG		INCFUG1, INCFUG2	Incinerator facility fugitives - process piping	Incinerator Facility	Fug	1989	NSR Air Permit No. 42450	VOC	15	394,178 394,189	3,302,831 3,302,793
COOLTOWERS	MISTELIMA	COOLTOWERS	Cooling tower A	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	VOC	15	394,223	3,302,804
COOLTOWERS	MISTELIMA	COOLTOWERS	Cooling tower B	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	VOC	15	394,223	3,302,798
COOLTOWERS	MISTELIMA	COOLTOWERS	Cooling tower C	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	VOC	15	394,218	3,302,804
COOLTOWERS	MISTELIMA	COOLTOWERS	Cooling tower D	Incinerator Facility	Point	1989	NSR Air Permit No. 42450	VOC	15	394,218	3,302,798
BOILERA		BOILSTKA	Package boiler	Incinerator Facility	Point	1988	NSR Air Permit No. 42450	VOC NOx SO_2 PM CO	15	394,236	3,302,899

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR
SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
BOILERB		BOILSTKB	Package boiler	Incinerator Facility	Point	1988	NSR Air Permit No. 42450	VOC NOx SO_2 PM CO	15	394,231	3,302,899
T535	INCINERATE RTO101	INCINSTK RTO101	Truckwash tank	Adjacent to Truck Wash Blg.	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	NaOH	15	394,206 394,248	3,302,775 3,302,894
T536	INCINERATE RTO101	INCINSTK RTO101	Truckwash tank	Adjacent to Truck Wash Blg.	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	NaOH	15	394,206 394,248	3,302,775 3,302,894
T529		T529	IWS caustic storage tank	Incinerator Facility	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	NaOH	15	394,224	3,302,763
T530		T530	IWS caustic storage tank	Incinerator Facility	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	NaOH	15	394,231	3,302,763
T517F		T517F	Fuel oil tank - 18260 Gal	Incinerator Facility	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	VOC	15	394,200	3,302,938
DWCAUSTIC		DWCAUSTIC	Deepwell caustic tank	Deepwell Injection Facility	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	NaOH	15	393,992	3,303,126
ACIDTANK	SCRUBDW	CASSCRUBDW	Deepwell acid tank	Deepwell Injection Facility	Point	1989	30 TAC §106.472 (previously Std. Ex. 51)	HCl	15	393,970	3,303,122
LAB		LABSTKS	Waste Analysis Lab	Admin Complex	Point	1989	30 TAC §106.122 (previously Std. Ex. 34)	VOC Non VOC Acids Bases	15	393,934	3,303,272
DIESTANK1		DIESTANK1	Diesel Fuel Tank - 8000 Gal	Truck Fueling Area	Point	1981	30 TAC §106.473 (previously Std. Ex. 53)	VOC	15	394,379	3,303,353
GASTANK1		GASTANK1	Gasoline Tank - 1000 Gal	Truck Fueling Area	Point	1991	30 TAC §106.473 (previously Std. Ex. 53)	VOC	15	394,387	3,303,354
GASTANK2		GASTANK2	Gasoline Tank - 1000 Gal	Truck Fueling Area	Point	1991	30 TAC §106.473 (previously Std. Ex. 53)	VOC	15	394,386	3,303,359
FUELDISP		FUELDISP	Fuel Dispensing Facility	Truck Fueling Area	Point	1991	30 TAC §106.412 (previously Std. Ex. 14)	VOC	15	394,377	3,303,347
TRKSHOPGRD		TKSHOP	Grinding and cutting	Truck Shop	Fug	Prior to 1992	30 TAC §106.265 (previously Std. Ex. 40)	PM	15	394,448	3,303,349
TRKSHOPWLD		TKSHOP	Welding	Truck Shop	Fug	Prior to 1992	30 TAC §106.227 (previously Std. Ex. 39)	PM	15	394,448	3,303,349
TRKSHOPPTW		TKSHOP	Parts Washing	Truck Shop	Fug	Prior to 1992	30 TAC §106.454 (previously Std. Ex. 107)	VOC	15	394,448	3,303,349

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR

SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
TRKSHOPPTG		TKSHOP	Painting	Truck Shop	Fug	Prior to 1992	30 TAC §106.433 (previously Std. Ex. 75)	VOC Non VOC PM	15	394,448	3,303,349
WHOUSEGRD		WHOUSE	Grinding and cutting	Warehouse	Fug	Prior to 1992	30 TAC §106.265 (previously Std. Ex. 40)	PM	15	394,115	3,303,180
WHOUSEWLD		WHOUSE	Welding	Warehouse	Fug	Prior to 1992	30 TAC §106.227 (previously Std. Ex. 39)	PM	15	394,115	3,303,180
WHOUSEPTW		WHOUSE	Parts Washing	Warehouse	Fug	Feb-94	30 TAC §106.454 (previously Std. Ex. 107)	VOC	15	394,115	3,303,180
WHOUSEPTG		WHOUSE	Painting	Warehouse	Fug	Prior to 1992	30 TAC §106.433 (previously Std. Ex. 75)	VOC Non VOC PM	15	394,115	3,303,180
WASTEPLANT		WASTREAT	Domestic Wastewater Treatment	Wastewater Treatment Plant	Point	Jul-89	30 TAC §106.532 (previously Std. Ex. 61)	VOC	15	394,127	3,303,126
INCBKUP		INCBKUP	Incinerator Emergency Backup Engine	Incinerator Facility	Point	Sep-89	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	394,179	3,302,792
WTPBKUP		WTPBKUP	Waste Treatment Plant Fire Pump Engine	Wastewater Treatment Plant	Point	Aug-88	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	394,293	3,303,343
DWBKUP		DWBKUP	Deepwell Emergency Backup Engine	Deepwell Injection facility	Point	Jun-91	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	393,993	3,303,148
BASIN1		BASIN1	Basin Emergency Pump Engine	Basin No. 1	Point	Jun-91	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	394,936	3,303,412

VEOLIA E.S. TECHNICAL SOLUTIONS, LLC
- PORT ARTHUR
SUMMARY OF EMISSION SOURCES

FIN	CIN	EPN	SOURCE DESCRIPTION	LOCATION	TYPE	CONSTR.DATE	CONSTR. AUTH.	AIR CONTAM.	UTM COORDINATES OF EMISSION PT.		
									ZONE	EAST [meters]	NORTH [meters]
BASIN2		BASIN2	Basin Emergency Pump Engine	Basin No. 2	Point	Jun-91	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	394,159	3,303,225
BASIN3		BASIN3	Basin Emergency Pump Engine	Basin No. 3	Point	Jun-91	30 TAC §106.511 (previously Std. Ex. 5)	NOx CO VOC SO2 PM PM 2.5	15	394,021	3,303,259

Appendix B

Kathleen Hartnett White, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 20, 2004

Mr. Art F. Mathes
General Manager
Onyx Environmental Services, L.L.C.
P.O. Box 2563
Port Arthur, Texas 77643-2563

Re: Permit Application
Permit Number: 42450
Waste Management Facility
Port Arthur, Jefferson County
Regulated Entity Number: RN102599719
Customer Reference Number: CN600130835

Dear Mr. Mathes:

This is in response to your Form PI-1, entitled "General Application for Air Preconstruction Permits and Amendments," concerning the above-referenced facility. This will acknowledge that your application for the above-referenced permit is technically complete as of July 20, 2004. We appreciate your cooperation in sending us the information necessary to evaluate your proposal.

A permit for your new facility is enclosed. The permit contains several general and special conditions that define the level of operation and allowable emissions. In addition, the construction and operation of the facilities must be as represented in the application. This permit will be in effect for ten years from the date of approval.

Please reference the regulated entity number (RN), customer reference number (CN), and permit number noted in this document in all your future correspondence for the referenced facility or site. The RN replaces the former Texas Commission on Environmental Quality account number for the facility (if portable) or site (if permanent). The CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by this company or corporation.

Re: Permit Number: 42450

Thank you for your cooperation and interest in air pollution control. If you need further information or have any questions, please contact Mr. Adam Talianchich at (512) 239-1377 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

for Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

GS/AST/ssl

Enclosures

cc: Ms. Jennifer Geran, Environmental Consultant, Cook Joyce Engineering Consultants, Inc., Austin
Mr. Stuart Mueller, Air Section Manager, Region 10 - Beaumont

Project Number: 95780

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO

Onyx Environmental Services, L.L.C.

AUTHORIZING THE CONSTRUCTION AND OPERATION OF

Waste Management Facility

LOCATED AT

Port Arthur, Jefferson County, Texas

LATITUDE 29° 51′ 29″ LONGITUDE 094° 05′ 19″

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]

2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of date of issuance, discontinues construction for more than 18 consecutive months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant a onetime 18-month extension of the date to begin construction. [30 TAC § 116.120(a)]

3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(B)]

4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Office of Permitting, Remediation, and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(c)]

5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(D)]

Equivalency of Methods. The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(E)]

7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(F)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(G)]

9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with § §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(H)]

10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition are applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(I)]

11. This permit may be appealed pursuant to 30 TAC § 50.139.

12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]

13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]

14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

PERMIT 42450

Date August 20, 2004

SPECIAL CONDITIONS

Permit Number 42450

1. This permit authorizes the operation of Emission Point Nos. (EPNs) TRKSAMPSTK, TRKSAMPFUG, STOR3, STOR4A, STOR4B, STOR5, STOR6, STOR7, STOR8, UNLBAY, CARBSTK1, TKFUG1, TKFUG2, CASSCRUBDW, CAST201, DWFUG1, DWFUG2, RTO101, ASHDROP, INCINSTK, INCFUG1, INCFUG2, CTA, CTB, CTC, and CTD at the Onyx Environmental Services facility in Port Arthur, Jefferson County, Texas.

GENERAL AIR QUALITY REQUIREMENTS

2. If any condition or emission rate limitation of this permit is more stringent than another, then for the purposes of complying with this permit, the more stringent requirement shall govern and be the standard by which compliance with this permit is determined.

3. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ), the holder of this permit shall perform ambient air monitoring, sampling and analysis of the waste and exhaust emissions or other testing as required to verify compliance with this permit.

4. To the extent practicable, the permittee shall physically identify and mark in a conspicuous location all equipment that has the potential of emitting air contaminants as follows:

   A. The facility identification numbers as submitted to the Emissions Inventory Section of the TCEQ.

   B. The EPNs as listed on the maximum allowable emission rates table (MAERT).

5. This facility may accept most hazardous and nonhazardous wastes (as detailed in the Resource Conservation and Recovery Act (RCRA) Part A Application for RCRA Permit Number HW-50212-001) for treatment, storage, and/or disposal at the Port Arthur facility with the following exceptions:

   A. Radioactive wastes unless the permittee is authorized to store, process, and dispose of these wastes in compliance with specific licensing and permitting requirements under Chapter 401 of the Texas Health and Safety Code and the rules of the TCEQ, or Texas Department of Health, or the Texas Railroad Commission rules, and/or any other rules of state or federal authorities (unless the wastes are excepted from regulation under the aforementioned regulations (e.g., NORM wastes));

B. Polychlorinated biphenyls (PCBs), as defined by the U.S. Environmental Protection Agency (EPA) in regulations issued pursuant to the Toxic Substances Control Act under Title 40 Code of Federal Regulations Part 761 (40 CFR Part 761), unless the permittee is compliant with the federal requirements for PCB storage, processing and disposal as specified in 40 CFR Part 761.

C. Explosive material, as defined by the Department of Transportation under 49 CFR Part 173;

D. Dioxin-containing wastes, identified by EPA as F020, F021, F022, F023, F026, and F027 wastes in 40 CFR § 261.31;

E. Ignitable compressed gasses unless received in containers meeting U.S. Department of Transportation Standards;

F. Municipal garbage; or

G. Special waste from the health-care related facilities subject to Title 25 Texas Administrative Code Chapter 1 (25 TAC Chapter 1) or 30 TAC Chapter 330, unless the permittee is compliant with the aforementioned regulations and with 30 TAC Chapter 113, Subchapter D, Division 2 (emission control requirements for Hospital/Medical/Infectious Waste Incinerators).

6. Fuel for the regenerative thermal oxidizer shall be limited to pipeline-quality, sweet natural gas containing no more than 0.25 grain (gr) of hydrogen sulfide and 5 gr of total sulfur per 100 dry standard cubic feet (dscf). Auxiliary fuel for the incinerator shall be (1) pipeline-quality, sweet natural gas meeting the above specifications; (2) first run, refinery grade fuel oil; or (3) used oil meeting the specifications in 40 CFR § 279.11. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

FEDERAL APPLICABILITY

7. The following EPNs shall comply with all of their respective applicable requirements of EPA regulations of Standards for New Stationary Sources promulgated in 40 CFR Part 60:

Storage Tanks T-509, T-510, T-511, T-512, T-513, T-514, T-515, T-516, T-521, T-522, T-523, T524, T-551, T-552, T-553, and T-550 shall comply with 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, Subparts A and Kb.

8. This facility shall comply with all applicable requirements of EPA regulations for National Emission Standards for Hazardous Air Pollutants (NESHAPS) promulgated for Beryllium, Mercury, and Benzene Waste Operations in 40 CFR Part 61, Subparts A, C, E, FF, and shall comply with 40 CFR Part 63, Subpart H in lieu of Part 61, Subparts J and V, as specified in 40 CFR § 63.160(b).

9. This facility shall comply with all applicable requirements of EPA regulations for NESHAPS for Source Categories promulgated for Organic Hazardous Air Pollutants Equipment Leaks, Hazardous Air Pollutants from Waste and Recovery Operations, Tanks - Level 1, Containers, and Hazardous Air Pollutants from Hazardous Waste Combustors in 40 CFR Part 63, Subparts H, DD, OO, PP, and EEE.

10. This facility shall be operated in compliance with all applicable requirements relating to air quality in the RCRA and the rules promulgated thereunder, and in 30 TAC Chapter 335, Subchapter F (relating to Permitting Standards for Owners and Operators of Hazardous Waste Storage, Processing, and Disposal Facilities), promulgated by the TCEQ pursuant to the Solid Waste Disposal Act, Chapter 361 of the Texas Health and Safety Code, (Vernon 1992 as amended).

INCINERATOR PERFORMANCE STANDARDS

11. For purposes of this permit, the incinerator train shall consist of a 60-foot rotary kiln and a secondary combustion chamber equipped with eight 15-MMBtu/hr tangentially fired burners. The pollution control system consists of a quench tower, two absorbers operating in parallel, four cooling towers, 2 four-stage ionizing wet scrubbers operated in parallel, and a wet electrostatic precipitator.

12. The permittee shall maintain and operate the Incinerator Train (EPN INCINSTK), so that when operated in accordance with the operating conditions specified in this permit, it will meet the following performance standards for all emission and operating standards promulgated under 40 CFR Part 63 Subpart EEE (for which the compliance deadline is September 30, 2004):

A. The unit shall achieve a destruction and removal efficiency (DRE) of 99.99 percent for any organic hazardous constituent in the waste feed. Pursuant to Special Condition No. 10 of this permit, the DRE demonstration shall be conducted during the initial maximum allowable control technology (MACT) Comprehensive Performance Test (CPT) pursuant to 40 CFR Part 63, Subpart EEE.

B. Particulate matter (PM) emissions shall not exceed 34 μg/dry standard cubic meters (dscm) corrected to 7 percent oxygen (O_2) in the stack gas.

C. The unit shall achieve a minimum hydrogen chloride removal efficiency of 99.8 percent. Hydrochloric acid and chlorine (Cl_2) gas shall not exceed 77 parts per million (ppm), combined and expressed as hydrochloric acid equivalents, corrected to 7 percent O_2.

D. Dioxin/Furans (D/F) emissions shall not exceed 0.40 ng toxicity equivalent/dscm corrected to 7 percent O_2.

E. Mercury emissions shall not exceed 130 μg/dscm corrected to 7 percent O_2.

F. Arsenic, beryllium, and chromium emissions shall not exceed 97 μg/dscm, combined, corrected to 7 percent O_2.

G. Lead and cadmium emissions shall not exceed 240 μg/dscm, combined, corrected to 7 percent O_2.

H. Carbon monoxide (CO) emissions shall not exceed 100 parts per million by volume (ppmv), over an hourly rolling average (monitored with a continuous emissions monitoring system [CEMS]), dry basis and corrected to 7 percent O_2.

13. In addition to the requirements specified in this permit, the incinerator train shall operate in accordance with all applicable conditions of Industrial Solid Waste Management Permit No. HW-50212-001. Any deviation from or modification to HW-50212-001 which would result in the change or increase in air emissions or may conflict with a condition of this permit shall require notification to the Air Permits Division of the TCEQ prior to the deviation and may require a modification to this permit.

LIMITATIONS ON WASTES INCINERATED

14. Pursuant to Special Condition No. 10 of this permit, the holder of this permit will operate according to an approved Waste Analysis Plan (WAP) required by Industrial Solid Waste Management Permit Number HW-50212-001. Compliance with the most recently approved WAP will be necessary for demonstrating continuous compliance with the feed rates limits and emissions authorized in this permit.

15. The contents of any container of pumpable bulk wastes are required to be fed directly to the incinerator without prior management in the pumpable bulk waste storage tanks only when the both of the following conditions are met:

    A. The contents of the container contains any of the chemicals listed in Attachment A.

    B. The sum of the concentrations for the Attachment A chemicals is greater than 10 percent by weight, as determined by the generator's waste characterization, process knowledge, or by sampling and analyzing a representative sample of the waste.

16. Incineration and associated activities regarding the processing of PCB waste shall meet all applicable requirements of the Toxic Substances Control Act in 40 CFR Part 761.

17. The permittee shall feed waste materials to the unit only under the following conditions (including times of start-up and shutdown):

    A. Beginning on the MACT EEE compliance date of September 30, 2004, The unit shall be in compliance with all of the minimum and maximum operating parameters specified in 40 CFR § 63.1209 which includes (but is not limited to) the following:

        40 CFR § 63.1209(j)(1) and (k)(2) - The minimum combustion chamber temperature.
        40 CFR § 63.1209(j)(2), (k)(3), (m)(2), (n)(5) and (o)(2) - The maximum flue gas flow rate or production rate.
        40 CFR § 63.1209(j)(3) and (k)(4) - The maximum hazardous waste feed rate.
        40 CFR § 63.1209(l)(1) - The maximum feedrate of total mercury.
        40 CFR § 63.1209(l)(2), (m)(1), (n)(3) and (o)(3) - The operating limits for wet scrubbers [except (o)(3)(iv). Hydrochloric acid and Cl_2 gas emissions will be continuously monitored with an approved, alternate CEM and will be maintained below 77 ppmv hydrogen chloride (HCl) plus Cl_2].
        40 CFR § 63.1209(m)(3) - The maximum ash feed rate.
        40 CFR § 63.1209(n)(2) - The maximum feedrate of semivolatile and low volatile metals.

40 CFR 63 §.1209(n)(4) and (o)(1) - The maximum total chlorine and chloride feedrate.
40 CFR § 63.1209(p) - The maximum combustion chamber pressure [except in the rotary kiln, the pressure will be maintained lower than ambient pressure in the shrouds surrounding the kiln seals, using a fan that maintains a minimum face velocity of 100 feet per minute (ft/min) across the shroud opening. In the event the shroud fan is not functioning, pressure will be maintained lower than ambient in the kiln using an instantaneous monitor pursuant to 40 CFR § 1206(c)(5)(C)].

B. The thermal relief vent must be closed when feeding waste. When waste is present in the kiln or afterburner, the thermal relief vent to the incinerator shall not be opened at any time except when one or more of the following conditions occur:

(1) There is an electrical power outage; or

(2) There is a failure or shutdown of the main induced draft fan; or

(3) The quench chamber exit temperature exceeds 220°F for more than five minutes or exceeds 250°F at any time.

The closed/open status of the thermal relief vent shall be monitored and recorded on a continuous basis.

C. When changes in waste feed, incinerator design or operating conditions are complying with the limits in Special Condition No. 12.

18. Based on the waste analysis specified in Special Condition No. 21, the waste feed to the incinerator shall not exceed those limitations established during the previous trial burn, initial and all future comprehensive performance tests (CPTs). However, the following waste feed rates also apply until new feed rates are established based upon the results of the initial and subsequent CPTs:

Total organic content of the waste feed shall not exceed 20,000 pounds per hour (lbs/hr).

Total organic halogen content of the waste feed shall not exceed 2,775 lbs/hr.

Total mass feed rate of waste feed and auxiliary fuel to the incinerator shall not exceed 50,270 lbs/hr and 150,000 tons in any 12 month period.

19. The permittee shall comply with the requirements of 40 CFR § 264.345(c) relating to start-up and shutdown.

INCINERATOR PERFORMANCE TESTING REQUIREMENTS

20. Pursuant to Special Condition No. 10 of this permit, the permittee may conduct compliance testing required in Special Condition No. 21 of this permit simultaneously with the trial burn developed in accordance with 40 CFR § 270.19 and 30 TAC § 305.172 or testing required in 40 CFR Part 63, Subpart EEE. The applicant shall notify the Executive Director of the TCEQ, and the TCEQ Beaumont Regional Office at least 45 days prior to the start of the approved trial burn for the purposes of scheduling a pre-trial burn test meeting.

21. The permittee shall conduct an initial CPT by no later than March 30, 2005 and, at a minimum, every five years thereafter in accordance with 40 CFR § 63.1207, and also upon request from the Executive Director of the TCEQ. By no later than two and one half years from the date of the initial CPT and every five years thereafter, the permitee shall conduct confirmatory testing in accordance with 40 CFR § 63.1207.

    A. Air contaminants emitted from EPN INCINSTK which shall be tested for during each CPT include, (but are not limited to) total organic carbon (VOC), oxides of nitrogen, sulfur dioxide (SO_2), CO, particulate matter less than 10 microns in diameter, HCl, elemental chlorine, hydrogen fluoride, dioxins, furans, antimony, arsenic, barium, beryllium, cadmium, chromium, chromium VI, lead, mercury, nickel, selenium, silver, thallium, PCBs, and principal organic hazardous constituents (POHC). The Executive Director of the TCEQ will specify no more than two POHCs to be used in each CPT. The selection of POHCs will be based on the criteria established in 40 CFR § 264.342(b)(1) and the POHCs in the waste feeds.

    B. At least 180 days prior to the dates for conducting a CPT or confirmatory test, the permittee shall submit a test plan which meets the informational requirements specified in 40 CFR § 63.1207 and satisfies all applicable statutory and regulatory requirements. The appropriate TCEQ Regional Office shall be contacted no later than 60 days prior to the stack test to schedule a pre-test meeting.

    C. The deadlines specified in Special Condition No. 21B may be modified upon approval of the Executive Director of the TCEQ.

    D. The permittee may conduct additional sampling and analysis of the waste and exhaust emissions and request a modification of the operating requirements specified in Special Condition Nos. 14, 15, 16, 17, and 18 upon a showing that such modified operating requirements are adequate to meet the performance standards in Special Condition No. 12.

E. All sampling, testing and procedures to establish proof of performance, including the initial CPT, shall be executed by an independent laboratory or testing service acceptable to the Executive Director of the TCEQ. The Executive Director of the TCEQ or his designated representative shall be afforded the opportunity to observe all such testing.

F. The permittee shall conduct the testing in accordance with the test plans as approved by the Executive Director of the TCEQ.

G. Following Executive Director approval, the permittee may operate the incinerator for no more than 720 hours at the test conditions.

H. If, based upon the analytical results of a CPT or confirmatory test, the permittee determines that the incinerator failed to achieve any of the performance standards required in Special Condition No. 12, the permittee shall notify the Executive Director of the TCEQ within 24 hours of the determination. The Executive Director of the TCEQ may respond to the notification with a directive to cease feeding hazardous waste or to perform such other directives as may be necessary to ensure compliance with Special Condition Nos. 14 through 18.

I. Within 90 days of the completion of a CPT or confirmatory test, the permittee shall submit to the TCEQ the final sampling report. An extension not to exceed 180 days may be granted by the Executive Director of the TCEQ. If the certification and information is not submitted within the required time period, the permittee shall cease burning hazardous waste until such certification and information is submitted. Copies of the final sampling report shall be distributed as follows:

One copy to the TCEQ Office of Permitting, Remediation, and Registration, Air Permits Division, Austin
One copy to the TCEQ Beaumont Regional Office.
One copy to the TCEQ Compliance Support Division, Austin

INCINERATOR CONTINUOUS DETERMINATION OF COMPLIANCE

22. The permittee shall install, calibrate, maintain, and operate the automatic waste feed cut-off system (AWFCO) for the incinerator as required in Industrial Solid Waste Management Permit Number HW-50212-001 and 40 CFR § 63.1206(c)(3).

23. The AWFCO and associated alarms shall be tested at least weekly with the internal on-line test circuits in order to verify the operability of the cut-off system.

24. The fan revolutions per minute (rpm) monitor or other volumetric flow rate measuring instrument shall be certified accurate within plus or minus 10 percent using procedures in 40 CFR Part 60, Appendix A, Reference Methods 1, 2, 2A, 2B, 2C, 2D, 3, and 4 as applicable and using calculations for relative accuracy specified in 40 CFR Part 60, Appendix B, Performance Specification 2. The combustion gas volumetric flow shall be quantified as dscf per minute.

25. On a continuous basis, the AWFCO parameters required in Industrial Solid Waste Management Permit Number HW-50212-001 shall be monitored and recorded on a 12-hour rolling average as specified under 40 CFR Part 63 Subpart EEE.

26. The holder of this permit shall install, calibrate, and maintain a CEMS to monitor the in-stack concentrations of CO, SO_2, and O_2 from EPN INCINSTK. The holder of this permit shall continuously monitor fan rpms to correlate fan rpms to exhaust flow rate in the stack.

    A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis reporting requirements specified in 40 CFR Part 60, Appendix B, Performance Specifications Nos. 2 (SO_2), 3 (O_2), and 4 (CO); after the MACT compliance date Performance Specification 4B will apply for O_2 and CO.

    B. The CEMS shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B.

    Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of New Source Performance Standards (NSPS), NESHAPS, or MACT, in which case zero and span shall be done daily without exception.

    Each CEMS shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F. At a minimum, data assessment reports and any downtime shall be reported to the TCEQ Beaumont Regional Manager on a quarterly basis. Necessary corrective action shall be taken if the downtime exceeds 5 percent of the kiln operating hours in a quarter. Failure to complete any corrective action as directed by the TCEQ Beaumont Regional Office may be deemed a violation of the permit. For non-NSPS sources, an equivalent method approved by the TCEQ may be used.

C. Each CEMS shall complete a minimum of one cycle of sampling, analyzing, and data recording for each successive 15-minute period. One-hour averages shall be computed from normally at least four, and a minimum of two, data points equally-spaced over each one-hour period. Data recorded during periods of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computed data averages.

The CEMS data shall be quantified and reported as ppmv, corrected to 7 percent by volume O_2, on a dry basis and shall also be reduced to units of the permit allowable emission rate in lbs/hr.

D. The TCEQ Beaumont Regional Diretor shall be notified as soon as possible after the discovery of any CEMS malfunction, which is expected to result in more than 24 hours of lost data. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Beaumont Regional Director in case of extended CEMS downtime.

E. The TCEQ Beaumont Regional Office shall be notified at least seven days prior to the quarterly cylinder gas audit (CGA) required by 40 CFR Part 60, Appendix F in order to provide the TCEQ staff the opportunity to observe the testing.

F. The CO and O_2 CEMS and the fan rpm monitor shall be used as a continuous emission rate monitoring system for CO to demonstrate continuous compliance with this permit.

G. The fan rpm monitor shall be checked on an annual basis as described in Special Condition No. 24.

FUGITIVE COMPONENTS

27. Except as may be provided for in the special conditions of this permit, and excluding the deepwell area, the following requirements apply to all piping, valves, connectors, pumps, and compressors in volatile organic compounds (VOC) service - intensive directed maintenance - 28MID.

A. These conditions shall not apply (1) where the VOC concentration in the stream is less than 1 percent by weight or (2) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch, absolute at 68°F or (3) operating pressure is at least 5 kilopascals (0.725 pound per square inch) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.

B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute, American Petroleum Institute, American Society of Mechanical Engineers, or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made available upon request.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

   Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

An approved gas analyzer shall conform to requirements listed in 40 CFR § 60.485(a)-(b).

A directed maintenance program shall consist of the repair and maintenance of components assisted simultaneously by the use of an approved gas analyzer such that a minimum concentration of leaking VOC is obtained for each component being maintained. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

G. All new and replacement pumps and compressors shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

All other pump and compressor seals emitting VOC shall be monitored with an approved gas analyzer at least quarterly.

H. Damaged or leaking valves, connectors, compressor seals, and pump seals found to be emitting VOC in excess of 200 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

I. In lieu of the monitoring frequency specified in paragraph F, valves in gas and light liquid service may be monitored on a semiannual basis if the percent of valves leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Valves in gas and light liquid service may be monitored on an annual basis if the percent of valves leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

If the percent of valves leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

J. The percent of valves leaking used in paragraph I shall be determined using the following formula:

$$(Vl + Vs) \times 100/Vt = Vp$$

Where:

Vl = the number of valves found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Vs = the number of valves for which repair has been delayed and are listed on the facility shutdown log.

Vt = the total number of valves in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor valves.

Vp = the percentage of leaking valves for the monitoring period.

K. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable NSPS, or an applicable NESHAPS and does not constitute approval of alternative standards for these regulations.

28. The definition of damaged or leaking valves, connectors, compressor seals, and pump seals found to be emitting VOC that shall be tagged and replaced or repaired as specified in Special Condition No. 27H is set at 200 ppmv.

29. Except as may be provided for in the special conditions of this permit, and excluding the deepwell area, the following requirements apply to all piping, valves, connectors, pumps, and compressors in VOC service - intensive directed maintenance - 28CNTQ.

A. In addition to the weekly physical inspection required by Item E of Special Condition No. 27, all accessible connectors in gas/vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with Items F through J of Special Condition No. 27.

B. In lieu of the monitoring frequency specified in paragraph A, connectors may be monitored on a semi-annual basis if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Connectors may be monitored on an annual basis if the percent of connectors leaking for two consecutive semi-annual monitoring periods is less than 0.5 percent.

If the percent of connectors leaking for any semi-annual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

C. The percent of connectors leaking used in paragraph B shall be determined using the following formula:

$$(Cl + Cs) \times 100/Ct = Cp$$

Where:

Cl = the number of connectors found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Cs = the number of connectors for which repair has been delayed and are listed on the facility shutdown log.

Ct = the total number of connectors in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including non-accessible and unsafe-to-monitor connectors.

Cp = the percentage of leaking connectors for the monitoring period.

30. Four continuous ambient hydrocarbon monitors shall be installed, maintained, and operated for the purpose of identifying fugitive leaks from the incinerator tank farm. Each monitor shall alarm at calculated hourly averages greater than 25 ppm above background.

An alarm shall result in both an immediate search for leaking equipment by personnel using portable monitors and a written record of the conclusion of the search.

If the hourly average remains above 25 ppm and the initial search was negative, additional searches need not be conducted except on 24-hour intervals.

Alternate/equivalent methods or additions to the required methods for identifying fugitive leaks may be approved by the Executive Director of the TCEQ upon written request by the permittee.

31. The holder of this permit shall operate and maintain all portable hydrocarbon gas analyzers and ambient monitors as necessary to achieve optimum performance. Alternate or equivalent equipment items and operating modes may be approved by the Executive Director of the TCEQ upon written request by the permittee.

BAGHOUSE and REGENERATIVE THERMAL OXIDIZER

32. The Baghouse (BAGPRO) must maintain a minimum PM control efficiency of 0.005 gr per standard cubic feet.

33. The Regenerative Thermal Oxidizer (RTO101) shall maintain a minimum combustion chamber temperature of 1400°F.

EMISSION CONTROLS FOR MISCELLANEOUS SOURCES

34. All emissions from the followings sources must be routed to the control devices as indicated:

    A. All emissions associated with the processes in the Truck Wash Building shall be routed through the Baghouse (BAGPRO) and Regenerative Thermal Oxidizer (RTO101).

    B. All displaced vapors associated with the incinerator tank farm shall be routed to the Incinerator (INCINSTK) or the Chiller Absorber Backup System (CARBSTK1) or Baghouse (BAGPRO) and Regenerative Thermal Oxidizer (RTO101).

    C. All displaced vapors from the loading and unloading of tankers at the unloading bay shall be routed to the Incinerator or Baghouse (BAGPRO) and Regenerative Thermal Oxidizer (RTO101).

D. All emissions associated with the bulk material handling building and the transload building (previously referred to as bulk solids building) shall be routed to the incinerator or through the Baghouse (BAGPRO) and Regenerative Thermal Oxidizer (RTO101).

PROCESS AND STORAGE LIMITATIONS

35. Sampling, decanting, and storage activities may not exceed the limits described in Tables 1, 2, and 3. The following are limitations on capacity for drums, tank trucks, and rolloffs:

A. The unit limit for drums is based on a 55-gallon (gal) drum.

B. The unit limit for rolloffs and vacuum boxes is based on a 20-cubic yard rolloff.

C. The unit limit for tank trucks is based on a 5,000-gal tank truck.

TABLE 1 - INSPECTION AND SAMPLING OPERATIONS

EPN	UNIT	WASTE DESC.	UNITS/ HOUR	UNITS/ YEAR
TRKSAMPSTK, TRKSAMPFUG	Tank Trucks	Liquid	4	3,750
	Truck/rolloff	Solid	4	3,750
STOR3, STOR4A, and STOR8	Drums and other small containers	Liquid or Solid	30	262,800
STOR4A (Building 46)	Vacuum Box or Rolloff Box sampling, inspection, or decanting	Solid	4	800
STOR5	Drums and other small containers	Liquid or Solid	80	350,400
STOR6, STOR7	Drums and other small containers	Liquid or Solid	40	350,400

TABLE 2 - DECANTING OPERATIONS

EPN	CONTAINER TYPE	UNITS/HOUR	UNITS/YEAR
UNLBAY (Unloading Bays)	Drums and other containers	40	26,000
	Vacum Box or Rolloff Box Decanting	4	1,000
TRKSAMPSTK, TRKSAMPFUG	Vacum Box or Rolloff Box Decanting	4	800
STOR4A (Building 46)	Vacum Box or Rolloff Box Decanting operations are included with the sampling and inspection operations listed under Table 1		

TABLE 3 - STORAGE OPERATIONS

BUILDING	WASTE STORAGE DESCRIPTION	MAXIMUM VOLUMETRIC EQUIVALENT	MAXIMUM NUMBER OF ROLLOFF AND VACUUM BOXES*	MAXIMUM NUMBER OF TARPED ROLLOFF BOXES**
STOR3	Truck and Container Storage Building	720 yd^3	36	36
STOR4A	Process Container Storage Building	2,500 yd^3	125	100 (125)***
STOR4B	Process Container Storage Area	1,000 yd^3	50	50
STOR5	Container Storage Building	2,040 55-gal drums	none	none
STOR6	Stabilization Container Storage	1200 yd^3	none	none
STOR7	Ash Container Storage Building	197 yd^3	none	none
STOR8	Deepwell Container Storage Building	120 yd^3	6	6

* Rolloff boxes must either be tarped or equipped with a rigid, gasketed cover as specified in Special Condition No. 36.

** The combined total of all tarped rolloff boxes for all storage facilities must not exceed the total number specified according to the schedule in Special Condition No. 37.

*** 125 tarped rolloff boxes are allowed to be stored in STOR4A until the date specified in Special Condition No. 37D.

36. Rolloffs, vacuum boxes, drums, and other small containers must remain covered at all times except during sampling, inspection, or to add or remove waste. Rolloffs must either be covered by a rubberized, plastic, or plastic coated tarp or by a rigid, gasketed cover.

37. The total number of tarped rolloff boxes in all storage buildings and areas will be restricted and reduced according to the following schedule:

    A. Upon the date of issuance of this permit, the maximum allowable number of tarped rolloff boxes is 217.

    B. One year after the date of issuance of this permit, the maximum allowable number of tarped rolloff boxes is 178.

    C. Two years after the date of issuance of this permit, the maximum allowable number of tarped rolloff boxes is 139.

    D. Three years after the date of issuance of this permit, the maximum allowable number of tarped rolloff boxes is 100.

    Roll-offs containing incineration residues which have been certified to meet 40 CFR Part 268 treatment standards for hazardous organic compounds and wastes known to contain only chemicals with vapor pressure less than 0.1 mm Hg at 100 degrees Fahrenheit may be excluded from the tarped roll-off limitations.

38. All vacuum boxes must be kept sealed except during sampling, inspection, and decanting operations.

39. All unloading and loading operations of waste storage tanks in the incinerator tank farm shall utilize a nitrogen blanket system to minimize emissions associated with unloading operations.

40. The permittee shall utilize a wash jet and tank hatch seal at all times during the washing of the interior of tank trucks in the unloading bay. Solids that decompose and generate gases upon the addition of water shall not be rinsed in the unloading bays but may be rinsed in the truck wash building or the transload building provided the emissions are vented to the regenerative thermal oxidizer.

41. The transferring of solid waste from trucks/rolloffs to trucks/rolloffs in the truck wash building shall not exceed 8,000 hours per year.

42. A maximum of 2,200 gals per hour and 6,600,000 gals per year of liquid waste may be transferred in the truck wash building.

43. When waste management activities are occurring in the truck wash building, bulk material handling building, and transload building, a face velocity of 100 ft/min shall be maintained across all openings.

44. Emissions from the tanker truck sampling area must be collected by a partial enclosure and torodial (donut) hood that have a collection efficiency of at least 95 percent. The hood shall vent to a carbon adsorption system (CAS) with a VOC control efficiency of at least 90 percent. A minimum of two canisters in series shall be utilized and shall be managed in accordance with Special Condition No. 47.

45. All displaced vapors associated with the loading operations of Tanks T101A, T101B, and T102 shall be routed through two carbon beds in series designated as EPN CASSCRUBDW.

46. All displaced vapors associated with the loading operations of Tank T201 shall be routed to two carbon beds in series (EPN CAST201).

47. The condition of breakthrough of VOC in the primary canister for the CAS required under Special Condition Nos. 44, 45, and 46 shall be checked at the point between the outlet from the primary canister prior to the inlet to the secondary canister at least every month or more often, as necessary, to ensure the continued efficiency of the CAS.

If breakthrough is detected in the primary canister, then before it is replaced, the condition of breakthrough shall be checked at the outlet from the secondary canister. When breakthrough occurs in either canister, the spent carbon in that canister shall be replaced with new activated carbon. The condition of breakthrough shall be checked with the use of a properly calibrated portable flame ionization detector (FID). The FID shall be calibrated in accordance with proper TCEQ procedures. Sufficient activated carbon canisters shall be available at the site to replace those canisters which have reached a breakthrough condition.

RECORDKEEPING

48. The permittee shall maintain records necessary for determining compliance with the operating parameters addressed in Special Condition Nos. 14 through 18.

49. Upon request, all records shall be made immediately available to representatives of the TCEQ or any local air pollution program having jurisdiction.

50. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.

    A. A copy of this permit.

    B. Permit application submitted February 2003 and subsequent representations submitted to the TCEQ.

    C. A complete copy of the two most recent performance testing reports pursuant to Special Condition Nos. 20 and 21 to demonstrate compliance with the performance standards in Special Condition Nos. 14 through 18.

    D. Stack sampling results or other air emissions testing that may be conducted on units authorized under this permit after the date of issuance of this permit

51. The following data shall be maintained at the plant by the holder of this permit in a form suitable for inspection for a period of two years after collection and shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.

A. The emissions data to demonstrate compliance with the emission rates listed in the MAERT.

B. Information and data concerning the date, type and quantity of waste managed, waste analysis including metals concentrations, facility inspections, operating hours, and sampling and monitoring data, if applicable, shall be maintained in the operating record at the plant site. The operating record shall be retained for at least three years following the date that the information or data is obtained.

C. The CO, SO_2, HCl, and O_2 CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT.

D. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems in a permanent form suitable for inspection.

E. Records of fuel usage and hours of operation for each of the following:

(1) Incinerator train.

(2) Regenerative thermal oxidizer.

F. Copies of natural gas specifications shall be kept on-site to show compliance with Special Condition No. 6.

G. Outage dates and description of maintenance and repairs for all EPNs.

H. A written operating record as described in 40 CFR § 264.73. In addition to the specific requirements of this paragraph, the permittee shall also record:

(1) All occasions when the operating parameters specified in Special Condition Nos. 14 through 18 are exceeded; and

(2) All occasions when waste feed is cut off pursuant to Special Condition No. 22. At a minimum, the permittee shall record:

a. The date and time of the incident; and

b. The reason for waste feed cut-off and ,if applicable, the conditions triggering cut-off.

I. Accuracy certifications required in Special Condition No. 24.

J. Waste feed rates as limited by Special Condition Nos. 16, 17, and 18.

K. Records to demonstrate compliance with the storage limitations in Special Condition Nos. 35 and 37.

L. Sufficient records of each test for breakthrough and records of the calibration of the FID monitor as specified in Special Condition No. 47.

M. Records to demonstrate compliance with the sampling and decanting limitations in Special Condition No. 35.

N. Records to demonstrate compliance with the transferring limitations in Special Condition Nos. 41 and 42.

REPORTING

52. All occurrences of noncomplying emissions and conditions must be logged and copies sent to the TCEQ Beaumont Regional Office semiannually. These reports may submitted concurrently with each semiannual Title V deviation report. For the purpose of reporting, noncomplying emissions and conditions shall be defined as:

A. Emissions in excess of those listed on the attached MAERT.

B. Operation of the facility covered by this permit in any manner that is inconsistent with, contradicts, or violates any or all of the conditions of this permit. and which threatens human health or the environment outside the facility .

C. Feed rate to the incinerator that exceeds the feed rate limitation in Special Condition Nos. 15, 16, and 18.

D. For the purposes of reporting pursuant to Special Condition No. 10, noncomplying emissions from equipment authorized by this permit shall be defined as follows:

(1) Noncomplying emissions of CO shall be defined as each one-hour period of operation, except for periods of start-up, shutdown, upset, or maintenance, during which the average emissions as measured and recorded by the CEMS exceed the lb/hr emission limitation specified in the MAERT.

(2) Noncomplying annual emissions of CO shall be defined as any rolling 12-month period of operation during which the 12-month cumulative emissions exceeds the annual limits specified in the MAERT of this permit.

53. If based upon the analytical results of the initial or subsequent compliance testing, air pollution control equipment parameter monitoring or waste feed sampling, the permittee determines that the incinerator has failed to achieve any of the performance standards in Special Condition Nos. 12 and 13 or emission allowables required by this permit, the permittee shall notify the Executive Director of the TCEQ within 24 hours of the determination. The Executive Director of the TCEQ may respond to the notification with a directive to the permittee to cease feeding hazardous waste or to perform such other directive as may be necessary to ensure compliance with this permit.

54. As long as noncomplying emissions and conditions have not occurred, reporting shall consist only of an annual letter to the TCEQ Beaumont Regional Office stating that no such conditions have occurred.

Dated August 20, 2004

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 42450

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	----- STORAGE AREAS -----			
STOR3, STOR4A, STOR4B, and STOR8	Truck and Container Storage Bldg, Bldg 46, Bldg 46 Solids Container Storage Area, and Deepwell Container Storage Bldg	VOC (4)	4.04	15.51
STOR5	Incinerator Container Storage Bldg	VOC	0.07	<0.0
STOR6 and STOR7	Stabilization Container Storage Bldg and Ash Container Storage Bldg	VOC (5)	0.04	<0.0
	----- TRUCK SAMPLING: liquids and solids -----			
TRKSAMPSTK	Truck Sampling Capture System	VOC	0.12	<0.01
TRKSAMPFUG	Truck Sampling Fugitives	VOC	0.06	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	----- TANK TRUCK UNLOADING AREA -----			
UNLBAY	Tank Truck Unloading Area	VOC	0.71	<0.01
	----- INCINERATOR STORAGE TANK FUGITIVES -----			
TKFUG1	Fugitive Group 1: Incinerator Storage Tank Fugitives	VOC	0.22	0.88
TKFUG2	Fugitive Group 2: Incinerator Storage Tank Fugitives	VOC	0.45	1.92
	----- DEEP WELL AREA -----			
CASSCRUBDW	Deep Well Storage Tanks T101A, T101B, and T102	VOC	0.14	0.06
CAST201	Deep Well Storage Tank T201	VOC	0.05	0.07
DWFUG01	Deep Well Fugitives for T-101A, T-101B, and T-102	VOC	0.04	0.16
DWFUG02	Deep Well Fugitives for T-201	VOC	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	----- REGENERATIVE THERMAL OXIDIZER ----			
RTO101	Thermal Oxidizer for Bulk Materials Handling Building, Truck Wash Building, Transload Building, and Incinerator Tank Farm	VOC (6)	3.77	8.31
		NO_x	3.84	16.84
		SO_2	<0.01	0.02
		CO	0.66	2.89
		PM (7)	0.46	2.02
		HCl	7.57	3.03
		Cl_2	0.92	0.37
		HF	0.14	0.62
	----- ASH HANDLING SYSTEM -----			
ASHDROP	Ash Drop Point	PM	<0.01	<0.01
	----- INCINERATOR SYSTEM -----			
INCFUG1	Incinerator System Fugitives	VOC	0.10	0.42
INCFUG2	Incinerator System Fugitives	VOC	0.12	0.50
CTA	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTB	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTC	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32
CTD	Cooling Tower	VOC	<0.01	<0.01
		PM	0.07	0.32

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
INCINSTK	Incinerator Stack	VOC	2.00	8.76
		NO_x	70.4	199.73
		SO_2	49.9	32.02
		CO	17.10	74.91
		PM	5.00	21.89
		HCl	4.00	1.62
		Cl_2	3.65	15.97
		HF	1.00	4.38
		other inorganics (8)	0.28	1.22
		Dioxins (9)	5.88E-08	2.58E-07
		Furans (9)	5.88E-08	2.58E-07
		Antimony	2.10	9.21
		Arsenic	0.027	0.0591
		Arsenic (10)	0.05	
		Barium	2.09	9.14
		Beryllium	0.00842	0.004
		Cadmium	0.0421	0.0591
		Chromium	0.043	0.0591
		Chromium VI (11)	0.00981	---
		Lead	1.06	4.66
		Mercury	0.0191	0.0837
		Mercury (10)	0.26	
		Nickel	0.323	0.0869
		Selenium	0.532	2.33
		Silver	0.0419	0.184
		Thallium	0.423	0.23

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
Cl_2 - chlorine
(4) Represents combined total VOC emissions from bulk solids storage, drum inspection and sampling, and rolloff or vacuum box decanting in STOR3, STOR4A, STOR4B, and STOR8.
(5) Represents combined total VOC emissions from drum inspection and sampling in STOR6 and STOR7.
(6) Represents combined total VOC emission from the thermal oxidizer, bulk material handling building, truck wash building, transload building, and incinerator tank farm.
(7) Represents combined total PM emissions from the thermal oxidizer, bulk material handling building, truck wash building, transload building, and incinerator tank farm.
(8) Compliance with this emission rate shall be demonstrated by using halogen feed rate records, assume 100 percent conversion to HX (where X is the halogen) and then apply the scrubbing efficiency demonstrated for HCl to end up with a mass emission rate for the other inorganics.
(9) Expressed as TEQ, or toxicity equivalence to 2,3,7,8-tetrachlorodibenzo-p-dioxin.
(10) The hourly emission rates for Arsenic and Mercury before the MACT EEE Compliance Date (September 30, 2004) are limited as shown.
(11) The annual emission rate for chromium IV is included with the annual emission rate for total chromium.

Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule: 8,760 hrs/yr

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 20, 2004

ATTACHMENT A

Permit Number 42450

Bulk waste liquids and sludges shall be fed directly to the incinerator if they contain any of the following chemicals in excess of 10 percent by weight as determined in accordance with Special Condition No. 15.

CAS #	Chemical Name
75365	acetyl chloride
107028	acrolein
140885	acrylic acid, ethyl ester
107119	allylamine
111364	butyl isocyanate
109795	butyl mercaptan,n-
75649	butylamine, tert-
123728	butyraldehyde
79049	chloracetylchloride
107302	chloromethylmethyl ether
4170303	crotonaldehyde
420042	cyanamide
506683	cyanogen bromide
7572294	dichloroacetylene
542881	dichloromethyl ether; bis(chloromethyl) ether
352932	diethyl sulfide; ethyl sulfide
57147	dimethyl hydrazine, 1,1-
75183	dimethyl sulfide
	dimethyl zinc
106898	epichlorohydrin; chloro-2,3-epoxypropane
541413	ethyl chlorocarbonate
75081	ethyl mercaptan
151564	ethyleneimine

CAS #	Chemical Name
111308	glutaraldehyde
592767	heptene
7782798	hydrazoic acid (N3H)
13463406	iron pentacarbonyl (as Fe)
78795	isoprene
78853	methacrolein
623427	methyl butyrate
79221	methyl chloroformate
75547	methyl dichlorosilane
	methyl disulfide
1388234	methyl ethyl ketone peroxide
60344	methyl hydrazine
624839	methyl isocyanate
556616	methyl isothiocyanate; methyl mustard oil
75796	methyl trichlorosilane
78794	methyl vinyl ketone
13463393	nickel carbonyl
76062	nitrotrichloromethane; trichloronitromethane
111660	octene, 1-
19624227	pentaborane
594423	perchloromethyl mercaptan
382218	perfluoroisobutylene
123386	propionaldehyde
107039	propyl mercaptan, n-
75592	tetramethyl ammonium hydroxide

CAS #	Chemical Name
75741	tetramethyl lead
509148	tetranitromethane
76028	trichloroacetyl chloride
121437	trimethyl borate
121459	trimethyl phosphate
75503	trimethylamine
100403	vinyl cyclohexene, 4-; ethenylcyclohexene, 4-

Dated August 20, 2004