DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Agency Interest No. 1238
Activity No.: PER20050006

Mr. Ernie Cagle
Refinery Manager
Meraux Refinery, Murphy Oil U.S.A., Inc.
2500 E. St. Bernard Highway
Meraux, Louisiana 70075

RE: Part 70 Part Operating Permit Renewal/Modification, Meraux Refinery, Murphy Oil U.S.A., Inc., Meraux, St. Bernard Parish, Louisiana

Dear Mr. Cagle:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012 unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007

Permit No.: 2500-00001-V2

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary

SGQ
cc: EPA Region VI

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
MURPHY OIL USA, INC., MERAUX REFINERY
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL AND MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 Air Operating Permit Renewal and Modification for Murphy Oil USA, Inc., P.O. Box 100, Meraux, Louisiana 70075 for the Meraux Refinery. **The facility is located at 2500 East St. Bernard Highway, Meraux, St. Bernard Parish.**

Murphy Oil USA, Inc. (MOU) produces various petroleum products at the Meraux Refinery. MOU requested to renew and modify the existing Meraux Refinery permit to incorporate the Clean Fuels Phase I updated project and Prevention of Significant Deterioration (PSD) review. The Clean Fuel Phase I project including the updates netted out of the PSD requirements. In addition, MOU proposes to reduce the sulfur content in the fuels to below 10 ppm. In order to achieve this goal MOU will revamp the Fluid Catalytic Cracking Units (FCC) by reducing the excess oxygen in the regenerator without any change in its capacity or throughput, revamp the middle distillate hydrotreater by increasing the pump and compression capacity, and other minor changes which will not increase the firing rate of the heaters. Other modifications are the increase in storage capacity; vent gas reduction by routing them to the Fuel Gas System (FGS), add a new boiler approved earlier under Part 70 General Permit No. 3029-V0 dated 3/31/2006. The Clean Fuels Phase II Project netted out of PSD review.

Estimated emission increases due to the "Clean Fuels" Phase II project based on actual to potential in tons per year are shown in the following table:

Pollutant	Project Increases	PSD De Minimis	Netting Required
PM_{10}	6.48	15	No
SO_2	27.50	40	No
NO_X	40.72	40	Yes
CO	68.34	100	No
VOC	21.67	40	No

PSD review is required for the "Clean Fuels" Phase II project. Estimated NOx emissions increase is significant due to these projects. Therefore, PSD review (netting) is required. The actual emissions are based on the average of years 2001 and 2002 and the contemporaneous period is from January 1, 2001 to December 31, 2008 (the ROSE unit was not operating in 2003 thru 2005 due to a fire). The netting analysis is shown in the following table:

Pollutant	Actual Emissions	Post Emissions	Increase due to Projects	Contemporaneous Change *	Net Change
NO_X	63.84	104.56	40.72	- 424.64	- 383.92

* Contemporaneous changes include the changes due the update of the Phase I project and other changes since.

The permitted emissions and changes from the Meraux Refinery in tons per year are as follows:

Pollutant	**Before**	**After**	**Change**
PM_{10}	217.57	206.40	- 11.17
SO_2	1736.05	684.49	- 1051.56
NO_X	1424.41	1220.06	- 204.35
CO	1823.75	1960.70	+ 136.95
VOC	1337.01	600.21	- 736.80

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, May 3, 2007.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed Part 70 air operating permit renewal/modification and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at the New Orleans Parish Library, Headquarters, 219 Loyola Avenue, New Orleans LA 70112-2044. The libraries in St. Bernard Parish are closed due to hurricane damage.

Inquiries or requests for additional information regarding this permit action should be directed to Mr. Syed Quadri, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3123.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1238, Permit Number 2500-00001-V2, and Activity Number PER20050006.

Scheduled Publication Date: March 30, 2007

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MERAUX REFINERY
AGENCY INTEREST NO. 1238
MURPHY OIL USA, INC.
MERAUX, ST. BERNARD PARISH, LOUISIANA

I. Background

Murphy Oil U.S.A., Inc. (MOU) owns and operates Meraux Refinery which was originally grandfathered. A consolidated Permit No. 2500-00001-01 was granted on June 14, 1991 and two PSD Permit Nos. PSD-LA-19 dated June 7, 1977 and PSD-LA-566 dated June 14, 1991, were also issued. Many permit modifications, exemptions, and variances were issued in the past. Part 70 Operating Permit No. 2500-00001-V0 dated April 17, 2001 allowed MOU to expand their operations as part of the "Clean Fuels" project. Later Part 70 Operating Permit No. 2500-00001-V1 dated February 8, 2002 was issued to add a Sulfur Recovery Unit. Part 70 General Permit No. 3029-V0 dated March 31, 2006 allowed the facility to operate the Boiler TB-01 and Part 70 General Permit No. 3046-V0 dated November. 9, 2006 allowed the refinery to install and operate three tanks 300-5, 300-6, and 300-7. This Part 70 permit will include all the emissions sources at the site.

II. Origin

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) submitted on February 20, 2004 with further updates and addenda submitted in June, July, August, and October of 2005; January, March, October, November, and December 2006; and a renewal application for Part 70 Operating permit in October 2005. Additional information as of March 26, 2007 was also received.

III. Description

Murphy Oil produces propane, motor gasoline, kerosene, diesel, No. 6 fuel oil, and other miscellaneous petroleum products. The refinery consists of Crude Distillation Unit, Vacuum Distillation Unit, Rose Unit, Hydrofluoric Acid Alkylation Unit, Hydrobon Unit, Platformer Unit, Amine Unit, Sulfur Recovery Units, Distillate Hydrotreating Unit, C3/C4 Splitter Unit, Middle Distillate Hydrotreating Unit, Merox Process, Sour Water Stripper Process, Liquid Petroleum Gas Recovery Unit, Fluid Catalytic Cracking Units, Wastewater Treatment System, and Steam Generation Unit.

The initial petroleum refining process separates crude oil into different fractions based upon its boiling point ranges. Light hydrocarbon fractions may undergo catalytic reforming to rearrange short chain hydrocarbon streams for use in gasoline blending. Heavier fractions may undergo catalytic cracking to break up the large hydrocarbon compounds into useful gasoline blending components. Various process streams are also

treated to remove sulfur before further processing takes place. Petroleum refinery operations typically include auxiliary systems such as hydrogen production, wastewater treating, and steam production. The following briefly describe the operating units associated with the Meraux Refinery:

Atmospheric Crude Distillation Unit (ACDU): This unit is capable of processing raw crude oil. Raw crude oil is introduced into ACDU through two identical parallel preheat trains and is preheated prior to entering the crude heater for final heat adjustment. The raw crude oil exiting the heater flows to the inlet section of the crude column where the light hydrocarbons immediately begin to rise up the column. The vapor passes through liquid in the trays and transfers heat to the liquid. As this occurs, heavier components of the vapor are condensed into liquid on the trays and lighter components of the liquid are vaporized. The liquid accumulating on the kerosene, diesel, and atmospheric gas oil side stream trays is sent to a stripper to control its flash point before being sent to product storage. The naphtha draw is used as internal reflux to allow added column temperature control. The overhead from the atmospheric crude column is sent to the stabilizer to further separate the mixed butanes and gasoline. The mixed butanes from the stabilizer are further separated in the debutanizer and the depropanizer. The overhead (propane) from the depropanizer is sent to storage and the bottoms (butanes) are sent to either the hydrofluoric acid alkylation unit or storage. The reduced crude is pumped to the vacuum unit for further processing.

Vacuum Distillation Unit: This unit is designed to process reduced crude (atmospheric residual). Reduced crude is pumped to the vacuum heaters to further heat the process feed before it enters the vacuum tower. This preheating allows separation of gas oils at a reduced pressure, under a vacuum, and vaporization at lower temperatures preventing adverse side reactions (cracking of the feed).

Gas oils which are separated as products are light vacuum gas oil (LVGO), at the top section, heavy vacuum gas oil (HVGO), at the middle section, and vacuum bottoms exiting the bottom. The overhead system at the top of the vacuum tower allows water vapor, noncondensible hydrocarbons, and any hydrocarbons not condensed in the LVGO section to be discharged. These are condensed in the first inter condenser and flow to a separator where they are separated.

ROSE Unit: This unit is designed to separate either vacuum or atmospheric distillation residue, or a combination of both, into deasphalted oil (DAO), resin, and asphaltenes. The process feed enters the feed surge drum and is pumped to the charge mixer along with

solvent before entering the asphaltene separator. The mixture passes through a separator where the heavy asphaltene fraction drops out of the solution and is drawn from the bottom of the separator to the asphaltene stripper. The asphaltene stripper removes the solvent from the asphaltene before it is sent to storage. The overhead from the asphaltene separator flows to a resin separator passing through a series of heat exchangers which increase the feed temperature. In the resin separator, the resin is separated from DAO and most of the solvent. The resin stream leaves the bottom of the resin separator and is sent to a resin stripper where the solvent is stripped from the resin before it is sent to storage. The overhead from the resin separator travels through a series of heat exchangers which increase its temperature before it enters the DAO separator. In the DAO separator, the major portion of the feed stream goes overhead while the deasphalted oil leaves the bottom of the DAO separator and enters the DAO stripper to remove any residual solvent.

HF Alkylation Unit: This unit is designed to produce high octane gasoline. The HF alkylation unit consists of a reactor section, isostripper fractionation, depropanizer fractionation, HF stripping, alumina and potassium hydroxide (KOH) treating, acid regeneration, and acid neutralization. The olefin feed reacts in the presence of HF acid and isobutane to form alkylate. Once the reaction has taken place, the alkylate and unreacted olefin feed are sent through various fractionation sections for separation and treatment before going to storage. The HF acid is regenerated to maintain the desired strength. All products leaving the HF alkylation unit are passed through a KOH treater to neutralize any residual HF acid before they are sent to storage.

Hydrobon Unit/Platformer Unit: The purpose of the Hydrobon unit is to remove the sulfur from the crude unit stabilizer bottoms so that it can be fed to the platformer unit. The purpose of the Platformer Unit is to increase the octane of this gasoline blending component. Crude unit stabilizer bottoms are fed to the Hydrobon charge heater followed by the Hydrobon reactor. Desulfurization reactions take place in the presence of a fixed bed catalyst by substituting hydrogen for sulfur in the unit feedstock. The reactor effluent is stabilized first in a high pressure separator, followed by a debutanizer tower and finally a depentanizer tower at which point it is considered platformer feed. The reforming reaction is endothermic, which requires that the unit have several reactors with heat being added to the feed at the exit of each reactor (except the last) prior to being reinserted into the next reactor. The final products are a high octane gasoline blending stock (called platformate), hydrogen and LPG. Coke on platformer catalyst is a byproduct which is removed from the catalyst in the platformer regenerator. Clean catalyst is reinserted back

into the platformer reactors as the catalyst is slowly circulated through the various reactors.

Sour Water Stripper Process: This process is designed to remove hydrogen sulfide and ammonia from various condensate streams. The sour water from the No. 2 FCCU, vacuum unit, No. 1 crude unit, hydrobon unit, middle distillate hydrotreater unit, and the distillate hydrotreater unit is composited into Tank 25-2. Sour feed is pumped from this tank to the feed surge drum, through feed and bottoms exchangers, which preheat the feed stream before it enters the stripper column. The sour water enters the top of the stripper column and flows downward through stripping trays which facilitate removal of hydrogen sulfide and ammonia in the stripper overhead. The condensate exits the bottom of the stripper and is pumped to the desalter make up drum. The stripper overhead flows through fin fan condensers. The liquid is recycled back to the feed line. The hydrogen sulfide remaining in the stripper overhead vapor is sent to the sulfur recovery units for processing.

Amine Unit: This unit is designed to remove hydrogen sulfide from liquid and gaseous streams. The process utilizes lean amine which is circulated through a cooler and a filtration system before it enters an absorber. The lean amine enters the top of the absorber while hydrogen sulfide rich gases enter the bottom of the vessel. As the lean amine contacts the hydrogen sulfide rich gases the hydrogen sulfide is absorbed by the amine. The rich amine exits the bottom of the absorber and flows to the top of the section of an amine stripper. The rich amine descends through the amine stripper and is stripped of hydrogen sulfide by rising steam generated in the column's reboiler. The lean amine is collected in the bottom of the stripper, cooled, and recycled back to the absorbers.

No. 2 and No. 3/4 Sulfur Recovery Units (SRUs): These units are designed to recover sulfur from the refinery acid gas streams and are equipped with oxygen enrichment capabilities. The SRUs process acid gas from the gas treating system, acid gas from the Shell Claus off gas treatment tail gas cleanup system, and off gas from the sour water stripper. Each sulfur recovery unit contains non catalytic and catalytic conversion stages. This process, known as Claus process, chemically reacts hydrogen sulfide to elemental sulfur. The Claus reaction is highly exothermic releasing a great deal of thermal energy that is recovered as steam in heat exchangers following the conversion stages.

Distillation Hydrotreating (DHT) Unit: This unit is designed to upgrade petroleum distillates by desulfurization. Desulfurization is accomplished by hydrotreating

hydrocarbons, containing organic sulfur compounds that convert these compounds to hydrogen sulfide and hydrocarbons. The hydrogen sulfide is readily removed by stripping or fractionation. The hydrotreating process feed is preheated through the preheat exchangers and is sent to the charge heater where it is further heated. Hydrogen is compressed and mixed with the feed entering the charge heater. Once preheated the mixture flows through two parallel steams through No. 1 and 2 reactors before combining and flowing to the No. 3 reactor, which completes the mercaptan conversion of hydrogen sulfide. The No. 3 reactor effluent then flows through the effluent/feed exchangers before entering the separator. Hydrogen is separated and is recycled back to the system. Liquid flows to the stripper for hydrogen sulfide removal. The stripped product is then pumped off site for storage. All lighter hydrocarbons that are stripped out of the stripper feed flow to a receiver and are then pumped to the crude unit. The off gas from the stripper is compressed and routed to the amine unit for hydrogen sulfide removal before entering the RFG system.

Middle Distillate Hydrotreating (MDHT) Unit: The MDHT is a fixed bed hydrodesulfurization unit. This unit comprise of three reactors in series and two makeup/recycle gas compressors. The fractionation section of the unit includes a high pressure stripper to remove H_2S and light ends, and a product fractionator to produce unstabilized naphtha, hydrotreated diesel, and gas oil. The feed can consist of any combination of diesel, LCO, AGO, LVGO, HVGO, DAO, vacuum slop oil, or kerosene. In this unit, a catalytic hydrogenation method is used to decompose contaminants (sulfur, nitrogen, and metal compounds) in the feed irrespective of it's boiling range. The feed stock is treated to remove metals, nitrogen compounds and lower sulfur content by passing it over fixed beds of catalysts in the presence of hydrogen. The diesel produced off-unit is treated to automobile specifications. Removed sulfur in the form of H_2S is sent to the SRUs.

C3/C4 Splitter Unit: The purpose of the C3/C4 splitter is to separate the debutanizer overhead obtained from the FCCU. The treated C3/C4 stream from the Merox Unit is pressured to the splitter for further fractionation. The splitter feed is pumped from the surge drum to the splitter tower. Propane and propylene exits from overhead and butane and butylene exit from the bottom of the tower. The splitter overhead passes through parallel condensers proceeds to the splitter receiver. The propane and propylene from the receiver are pumped to the tower as reflux and a slip stream is sent to storage. The bottom butane and butylene are pressured through the bottoms cooler and to the HF alkylation unit.

Gasoline and Kerosene Caustic Treating Units: This unit is designed to sweeten the middle distillates by removing entrained mercaptans (sulfur compounds). The unit consists of an electrostatic water wash and filtering sections which remove unwanted impurities. The napfining process removes naphthenic acids which are unwanted corrosive impurities. In the bender reactor exact amounts of caustic, air, and sulfur are added which react in the presence of a catalyst to remove mercaptans. A final electrostatic precipitator is used to remove any caustic and water carryover from the bender. The middle distillate passes through a salt dryer, which removes any entrained water, before going to storage.

Merox Process: This process is designed to reduce total sulfur concentration in the mixed LPG feed. This is accomplished by extracting the mercaptan compounds in the feed by using a caustic and merox catalyst in the C3/C4 countercurrent extractor. During the extraction process mercaptans are more soluble in the caustic than the feed, so they tend to combine with the caustic. The caustic then is sent to the oxidizer for regeneration. In the oxidation process, mercaptans will be converted to disulfides and sent to the FCC charge tank.

LPG Recovery Unit: This unit consists of an inlet gas separator and an inlet gas scrubber to remove any free liquids before the gases enter the compressor. Once compressed to a higher pressure, the fuel gas passes through a dehydrator where the moisture is reduced to an acceptable level. Simultaneously with the operation of the on line dehydrator, the other dehydrator is taken out of service and placed in the regeneration mode. Dry fuel gas exiting the on line dehydrator flows through the inlet gas filter where excess dust particles are removed before the gases enter the expander compressor. Exiting the expander compressor, the gases enter an after cooler before entering the plate fin exchanger. Exiting the plate fin exchanger, the gases then flow to the chiller, where the feed temperature is further reduced. The gas then enters the cold separator where free liquid is condensed out and sent to the de-ethanizer. The gas then enters the expander, which is connected to the expander compressor. As the gas expands, the temperature of the gas exiting the expander will drop. Gas exiting the expander flows to the bottom of the de-methanizer while lighter materials, such as methane, rise to the top of the column and exit through two plate fin exchangers before entering the RFG system. The de-methanizer bottoms are pumped to the top of the de-ethanizer for use as flux. The liquid from the cold separator enters the de-ethanizer just below the de-methanizer feed tray. The function of the de-ethanizer is to primarily remove methane and ethane (C1/C2) from C3/C4 material. This stream exits from the top of the de-ethanizer where it joins the methane exiting the de-methanizer.

FCCU Gas Conditioning Unit: There is one FCCU gas conditioning unit at the facility. This unit separates the main column overhead vapor and liquid stream. The vapor stream enters a knock out drum, where the liquid is removed, and then flows to the wet compressor. Vapor leaving the second stage discharge on the wet gas compressor joins the liquids from the primary absorber, inner stage receiver, and overhead vapors from the stripper. These four streams pass through the high pressure fin fan condensers, high pressure trim coolers, and enter the high pressure receiver. The vapor exiting the high pressure receiver enters a series of absorbers to recover any condensable products and then it passes through an amine absorber to remove hydrogen sulfide. The gases exiting the absorber are then sent to net gas chiller unit. The liquid hydrocarbons from the high pressure receiver are pumped through the gas conditioning stripper where hydrogen sulfide, methane, and ethane are removed before the light hydrocarbons enter the fractionation section.

Fluid Catalytic Cracking Unit (FCCU): There is one FCCU in operation at the Meraux Refinery. The FCCU converts heavy gas oils to lighter, more valuable hydrocarbons including fuel oils, gasolines, and olefin rich light products. The conversion of the heavy gas oils to higher valued products is accomplished by cracking the heavier hydrocarbon molecules into lighter molecules by contacting the heavy gas oils with a circulating catalyst at relatively high temperatures. In the process of converting these heavy gas oils to more valuable products for gasoline blending, coke is deposited on the catalyst during the cracking reaction. This quickly deactivates the catalyst. Fluidization allows the catalyst to be moved from the reactor for regeneration, where the coke is burned off. The heat obtained from this combustion raises the temperature of the catalyst to provide much of the heat required for the cracking process. FCCU reactor vapors travel to the main distillation column where the vapors are cooled and begin the separation process. The heavy material removed from the bottom of the main distillation column as product is called slurry. The light cycle oil drawn off the main distillation column is stripped of light ends and placed in storage. The side cut naphtha is drawn off the main distillation column, cooled, and used as an absorption oil in the primary absorber. The majority of the lighter material is condensed and separated in the main column overhead receiver.

Murphy Oil was issued a Part 70 Operating Permit No. 2500-00001-V0 dated April 17, 2001 to expand it's operations as part of a "Clean Fuels" project. Part 70 Operating Permit No. 2500-00001-V1 dated February 8, 2002 allowed MOU to add a "No. 3 Sulfur Unit" as part of the "Clean Fuels" project to produce low sulfur gasoline with sulfur content less than 30 parts per million (ppm). This project was undertaken based on the promulgated final rule titled "Control of Air Pollution from New Motor Vehicles: Tier 2

Motor Vehicle Emission Standards and Gasoline Sulfur Control Requirements" (Tier 2 rule). This rule requires a reduction in sulfur content in gasoline.

MOU is updating the "Clean Fuels" project to include the production of Ultra Low Sulfur Gasoline which allowed the construction and operation of the "No. 3 Sulfur Unit" (Phase I) and further proposes another modification to the facility to include the production of Ultra Low Sulfur Diesel (Phase II) at the facility. This project is being undertaken on the promulgated final rule titled "Control of Air Pollution from New Motor Vehicles: Heavy Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements" (Heavy Duty Engine and Highway Diesel Fuel Rule) on January 18, 2001.

Clean Fuels (Phase I) Project: The Phase I project was approved under Part 70 Operating Permit No. 2500-0001-V0 and V1. The project netted out of a Prevention of Significant Deterioration (PSD) review. The following description provides the updated Phase I project and changes to the project:

Hydrocracker: The new hydrocracker and the cooling tower construction were completed in March 2004 and the units are operating. The full fledged operation of the hydrocracker resulted in a reduction in emissions from permitted limits for SO_2 and NO_X from the FCC No. 2.

Sour Water Stripper/Oily Water Stripper/Sulfur Recovery Unit: The new No. 2 Sour Water Stripper and SRU No. 3 construction is complete. The SRU No. 1 Unit (40 long tons per year) will be removed and its oxygen enrichment equipment will be utilized by SRU No. 2 (80 long tons per year). This modification will increase the capacity of SRU No. 2 from 80 to 120 long tons per day with no change in emissions due to the addition of oxygen and not air. A new SRU No. 4 identical to SRU No. 3 will be installed and the emissions will be permitted under a cap (SRU No. 2, 3, and 4). The overall emissions cap will be lower than the present permitted emissions.

Crude Unit: The crude unit expansion is complete and is operational.

Hydrobon Unit: The hydrobon unit expansion is complete and operational. The emissions from this unit will be updated based on the stack test.

Platformer Unit: The platformer unit expansion is complete and operational. The average heat input was updated to be 150 MM BTU/hr. The NSR analysis will be updated appropriately.

ROSE Unit: The ROSE unit expansion is complete and operational. This unit will have a new asphaltene tank and the emissions will be routed to a new control device.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MERAUX REFINERY
AGENCY INTEREST NO. 1238
MURPHY OIL USA, INC.
MERAUX, ST. BERNARD PARISH, LOUISIANA

FCC No. 2: The FCC No. 2 revamp is complete and operational. The potential to emit SO_2 and NO_X emissions will be lowered to reflect the "Clean Fuels" operation based on the utilization of low sulfur and low nitrogen feed.

Boilers: The boiler construction is complete and operational. The average and maximum heat input from two boilers were updated to 125 MM BTU/hr and 250 MM BTU/hr, respectively.

Flash Drum Vent Gas Compression: The flash drum vent gas compression construction is complete and operational.

Tank Reductions: As part of the "Clean Fuels" project two more tanks were taken out of service. Due to reduction of tankage at the refinery the tank service was updated to achieve operational flexibility (See TABLE A)

Boiler and Heaters Cap: The boilers and heaters cap was updated to reflect the stack test results and AP-42 emission factor changes.

The updated "Clean Fuels" Phase I project (initial expansion, SRU No. 3 and 4, and other changes) results in a significant increase in emissions of regulated pollutants. Estimated emission increases due to the "Clean Fuels" Phase I and Phase I updated (all modifications combined) projects based on actual to potential in tons per year are shown in the following table:

Pollutant	Project Increases	PSD De Minimis	Netting Required
PM_{10}	58.75	15	Yes
SO_2	279.95	40	Yes
NO_X	371.88	40	Yes
CO	1221.82	100	Yes
VOC	214.40	40	Yes

An updated PSD review is required for the "Clean Fuels" Phase I and Phase I updated modifications. Estimated emissions increases due to these projects are significant. Therefore, PSD review (netting) is required. The actual emissions are based on the average of years 1997 and 1998 and the contemporaneous period is from January 1, 1996 to March 1, 2003. The netting analysis is shown in the following table:

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MERAUX REFINERY
AGENCY INTEREST NO. 1238
MURPHY OIL USA, INC.
MERAUX, ST. BERNARD PARISH, LOUISIANA

Pollutant	Actual Emissions	Post Emissions	Increase due to Projects	Contemporaneous Change *	Net Change
PM_{10}	139.02	197.76	58.74	- 106.66	- 47.92
SO_2	262.65	542.59	279.94	- 941.88	- 661.94
NO_X	672.29	1044.17	371.88	- 563.83	- 191.95
CO	632.65	1854.47	1221.82	- 15631.67	- 14409.85
VOC	386.46	600.86	214.40	- 366.74	- 152.34

* Contemporaneous changes includes removal of boilers, compressors, tanks, FCCU No. 1, and FCCU preheater (Permit Nos. 2378, 2548, 2560, 2500-00001-06) and changes to the Part 70 Operating Permit No. 2500-00001-V1

The net changes in emissions indicate that PSD review is not required.

"Clean Fuels" Phase II Project: Earlier it was anticipated that the Ultra Low Sulfur Diesel will have a specification of 50 ppm sulfur concentration. The final regulation requires a concentration of 15 ppm. Due to inflexible implementation regulations, pipeline specifications typically require a sulfur concentration of below 10 ppm. In order to comply with this requirement and streamline the facility operations MOU will revamp the FCC unit, revamp the distillate and the middle distillate hydrotreater (MDH) unit, and add new tanks and cooling tower complex. Other minor modification will be to reduce the vacuum vent gas emissions by routing them to the fuel gas system. MOU will permanently shutdown two boilers due to hurricane damage and build one new boiler.

FCC Revamp: MOU will revamp the FCC by controlling the excess flue gas oxygen in the regenerator. In order to achieve this goal MOU will improve catalyst circulation (slide valve changes), incorporate blower controls, improve air distribution and removal of the FCC catalyst cooler. There will not be any change in the coke burn rate due these modifications. These changes will result in more efficient combustion of coke allow the regenerator to operate at lower excess oxygen.

LPG Caustic Treating: Currently the saturated butane stream from the crude unit is mixed with the unsaturated propylene/butylene stream from the FCC and treated in the Merox Unit for the removal of sulfur streams. MOU proposes to remove the saturated butane stream from the existing Merox Unit and rout it to a new caustic treater which will be located in the Naphthfiner Unit.

MDH Revamp: MOU will revamp the existing middle distillate hydrotreating unit in order to produce ultra low sulfur diesel. The capacity of the MDH unit will increase to 40,000 barrels per day from 32,000 barrels per day. The project includes replacement of

the existing charge pumps with higher capacity and a new header, eight additional pumps, and a new recycle gas amine absorber. There will not be any increase in the firing rates of the charge heater or fractionator heater. The project is expected to increase the production of elemental sulfur by approximately 2.5 long tons per day.

DHT Revamp: The purpose of this revamp is to produce ultra low sulfur diesel. The project includes replacement of heater tubes with a more corrosion resistant metallurgy, larger pumps, five additional pumps, addition of heat exchangers, a recycle gas amine absorber, replacement of two existing recycle/makeup compressors with large electrically driven compressors. There will not be any increase in the firing rate of the heater. The project is expected to increase the production of elemental sulfur by approximately 3.5 long tons per day.

Tankage Addition: MOU will install four new 250,000 barrel storage tanks to operate in middle distillate service and will be included in the middle distillate CAP. The facility will incorporate the tanks constructed and modified under the Part 70 General Permit No. 3046-V0 dated November 9, 2006.

Vent Gas Reduction: MOU will route the Vacuum and the Oily Water Stripper vents to the Fuel Gas System (FGS). In addition, MDH Product Fractionator receiver and ROSE Unit solvent surge drum vents to the FGS.

Boilers: A new boiler equipped with low NOx burners will be installed to replace the two damaged boilers due to hurricane.

Estimated emission increases due to the "Clean Fuels" Phase II project based on actual to potential in tons per year are shown in the following table:

Pollutant	Project Increases	PSD De Minimis	Netting Required
PM_{10}	6.48	15	No
SO_2	27.50	40	No
NO_X	40.72	40	Yes
CO	68.34	100	No
VOC	21.67	40	No

PSD review is required for the "Clean Fuels" Phase II project. Estimated NOx emissions increase due to these projects is significant. Therefore, PSD review (netting) is required. The actual emissions are based on the average of years 2001 and 2002 and the contemporaneous period is from January 1, 2001 to December 31, 2008 (the ROSE unit

was not operating in 2003 thru 2005 due to a fire).The netting analysis is shown in the following table:

Pollutant	Actual Emissions	Post Emissions	Increase due to Projects	Contemporaneous Change *	Net Change
NO_X	63.84	104.56	40.72	- 424.64	- 383.92

* Contemporaneous changes include the changes due the update of the Phase I project and other changes since.

The net changes in emissions indicate that PSD review is not required.

Along with the "Clean Fuels" updated Phase I and the Phase II project MOU proposes to reconcile the following:

1) Update the tank storage based on operational flexibility;
2) Update fugitive emissions based on current component count and operations;
3) Reroute the Merox Off-Gas Knockout Pot stream from the No. 2 Alky Reboiler to the FCC Regenerator;
4) Reroute the hotwell vent gas stream from Vacuum Heaters East/West to the fuel gas system;
5) Incorporate a specific condition in order to have flexibility to add or remove fugitive emission piping and components;
6) Add a new asphaltene tank and route the emissions from this tank and the other two existing asphaltene tanks to an Asphaltene Tank Absorber;
7) Update all floating roof tank emissions to include the actual primary seals based on visual inspection;
8) Update the General Condition XVII and Insignificant Activities list to reflect the current operating conditions; and
9) Update the firing rate of heaters based on the vendor information and emissions based on stack test.
10) Incorporate the boiler permitted under Part 70 General Permit No. 3029-V0.
11) Update the tank inventory to achieve operational flexibility as shown in the table below TABLE A:

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Permitted emissions from the Meraux Refinery in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	217.57	206.40	- 11.17
SO_2	1736.05	684.49	- 1051.56
NO_X	1424.41	1220.06	- 204.35
CO	1823.75	1960.70	+ 136.95
VOC	1337.01	600.21	- 736.80

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMI HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on ****** **, 2007 Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on ****** **, 2007. The proposed permit was sent to EPA via e-mail on ********* **, 2007

VII. Effects on Ambient Air

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu g/m^3$)	Louisiana Air Quality Standard (NAAQS) ($\mu g/m^3$)
None			

VIII. General Condition XVII Activities

Activity	Frequency	VOC	PM	SO2	NOx	CO
		TPY	TPY	TPY	TPY	TPY
Carbon Replacement/Recharging	8 times/yr	0.14	-	3.50	2.50	-
Changing Filters	300 times/yr	0.07	-	-	-	-
Cleaning of Equipment	96 times/yr	0.02	-	-	-	-
Clearing of Pipelines	240 times/yr	0.47	-	-	-	-
Compressor Maintenance	24 times/yr	0.02	-	-	-	-
Draining Compressor Bottles	7200 times/yr	2.70	-	-	-	-
Instrument Maintenance	240 times/yr	0.43	-	-	-	-
Miscellaneous Equipment Prep.	21 times/yr	4.40	-	-	-	-
Nitrogen Blowing of Pipeline	240 times/yr	0.06	-	-	-	-
Pump Maintenance	1000 times/yr	3.60	-	-	-	-
Sampling	360 times/yr	0.15	-	-	-	-
Sludge Removal	Twice/yr	1.95	-	-	-	-
Solids Removal from Sumps	6 times/yr	0.24	-	-	-	-
Solids Loading/Unloading	58 times/yr	-	1.45	-	-	-
Tank Gauging	390 times/yr	0.08	-	-	-	-
Valve Maintenance	960 times/yr	1.30	-	-	-	-

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Activity	Frequency	VOC	PM	SO2	NOx	CO
		TPY	TPY	TPY	TPY	TPY
Portable Waste Tanks	As Required	0.06	-	-	-	-
Painting Operations	2,200 gal/yr	2.90	-	-	-	-
Welding Operations (welding rod)	75 lb/wk	-	0.04	-	-	-
Parts Washing Operations	400 gal/yr	1.30	-	-	-	-
Taking Floating Roof Tanks Out of Service	5 times/yr	1.90	-	-	-	-
Taking Fixed Roof Tanks Out of Service	4 times/yr	0.30	-	-	-	-

IX. Insignificant Activities

ID No.:	Description	Citation
-	Empty Drum Washing (55 gal each)	LAC 33:III.501.B.5.A.7
-	Amine and Diesel Storage Tanks	LAC 33:III.501.B.5.A.3
-	Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6
-	Diesel Storage Tank Y-V-310	LAC 33:III.510.B.5.A.3

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TABLE A					
EMISSION POINT	PRODUCT STORED	DATE OF CONSTRUCTION	ROOF TYPE	APPLICABLE REGULATION (1)	
200-1	Gasoline	4/72	EFR	2103	CC1
200-2		2/72	EFR	2103	CC1
200-3		3/72	EFR	2103	CC1
80-10		2/74	EFR	Kb, 2103	CC1
55-7		9/86	EFR	Kb, 2103	CC1
80-11		10/87	EFR	Kb, 2103	CC1
80-12		2/90	EFR	Kb, 2103	CC1
80-16		6/94	IFR	Kb, 2103	CC1
80-18		11/00	EFR	Kb, 2103	CC1
80-14		2/93	EFR	Kb, 2103	CC1
200-4	Crude Oil	3/73	EFR	2103	CC1
200-5		3/73	EFR	2103	CC1
450-1		4/75	EFR	K, 2103	CC1
450-2		8/75	EFR	K, 2103	CC1
300-1		7/83	EFR	Ka, 2103	CC1
300-2		11/06	EFR	Kb, 2103	CC1
300-3		10/83	EFR	Ka, 2103	CC1
80-12	Middle Distillate	2/90	EFR	Kb, 2103	CC1
80-14		2/93	EFR	Kb, 2103	CC1
200-6		7/98	FR		CC2
150-1	Middle Distillate	11/57	FR		CC2
80-6		3/64	FR		CC2
80-7		1/70	FR		CC2
80-8		8/93	FR		CC2
80-10		2/74	EFR	Kb, 2103	CC1
80-18		11/00	EFR	Kb, 2103	CC1
250-4		Proposed	EFR		CC2
250-5		Proposed	EFR		CC2
250-6		Proposed	EFR		CC2
250-7		Proposed	EFR		CC2

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TABLE A					
EMISSION POINT	PRODUCT STORED	DATE OF CONSTRUCTION	ROOF TYPE	APPLICABLE REGULATION (1)	
300-1		7/83	EFR	Ka, 2103	CC1
300-2		11/06	EFR	Kb, 2103	CC1
300-3		10/83	EFR	Ka, 2103	CC1
80-1	Heavy Oil	Pre-56	IFR		CC2
80-4		5/00	FR		CC2
80-7		1/70	FR		CC2
80-15		6/93	FR		CC2
200-7		4/73	FR		CC2
80-2	Naphtha	9/54	IFR	2103	CC1
80-11		10/87	EFR	Kb, 2103	CC1
80-16		6/94	IFR	Kb, 2103	CC1
5-3	Slop Oil	1/58	IFR	2103	CC1
1-3		11/67	FR	2103	CC2
80-14	Wastewater	2/93	EFR	Kb, 2103	CC1
80-17		8/96	EFR	Kb, 2103	
150-2		4/58	FR		
25-2	Sour Water	6/96	IFR	Kb, 2103	CC1
80-14		2/93	EFR	Kb, 2103	CC1
80-12		2/90	EFR	Kb, 2103	CC1
200-5		3/73	EFR	2103	CC1
80-16	Ethanol	6/94	IFR	Kb, 2103	CC1

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2115	2121	2141	17	21	29*	51*	52	56	59
GRP013	Meraux Refinery		1	1	1			1	1			1	1		1	1		1	1
EQT009	1-00,Hydrocracker/Hydrotreater/ Fractionator Charge Heater			1	1	1													
EQT010	1-06, Boiler TB-01			1	1	1													
EQT011	1-07, Boiler B-7			1	1	1													
EQT012	1-3, Slop Oil Tank (FR)						1									1			
EQT013	1-76, East and West Vacuum Heaters			1	1	1													
EQT014	1-80 ROSE Heater			1	1	1													
EQT015	1-88F,Compressor-101B			1	1	1													
EQT017	1-88H Compressor -203			1	1	1													
EQT018	1-92, Marine Vapor Recovery Flare			1	1									1		1			
EQT019	1-93, SRU No. 2 Incinerator			1	1	1													
EQT020	1-94, API Separator Flare			1	1	1				2						1			
EQT021	1-97, Oily Water Stripper Feed Tank						1									1			
EQT022	12-72A, No. 1 Crude Heater			1	1	1													
EQT023	14-72, Hydrobon Charge Heater			1	1	1													
EQT024	15-72, Hydrobon Debut Reboiler			1	1	1													
EQT025	150-1, Middle Distillates Tank (FR)						2									1			
EQT026	150-2, Wastewater Tank (FR)						2									1			

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2115	2121	2141	17	21	29*	51*	52	56	59
EQT027	16-72, Hydrobon Depent Reboiler			1	1	1													
EQT028	17-72a,b,c Platformer Charge Heater			1	1	1													
EQT029	19-72, Platformer Debut Reboiler			1	1	1													
EQT030	2-00, Boiler B-5			1	1	1													
EQT032	2-77, No. 2 FCC Stack			1	1	1				2			2			1			
EQT033	2-92, MDH Prdt. Fractionator Heater and Charge Heater			1	1	1				1						1			
EQT034	2-97, Oily Water Stripper Feed Tank						1									1			
EQT035	20-72, North Flare Stack			1	1	1				1						1			
EQT036	200-1, Gasoline Tank (EFR)						1									1			
EQT037	200-2, Gasoline Tank (EFR)						1									1			
EQT038	200-3, Gasoline Tank (EFR)						1									1			
EQT039	200-4, Crude Oil Tank (EFR)						1									1			
EQT040	200-5SW, Sour Water Tank (EFR)						1									1			
EQT041	200-6, Middle Distillates Tank (FR)						2									1			
EQT042	200-7, Heavy Oil Tank (FR)						2									1			
EQT043	21-72, Platformer Regenerator Vent Gas												2			1			
EQT044	25-2, Sour Water Tank (EFR)						1									1			
EQT048	3-00, Boiler B-6			1	1	1													

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2115	2121	2141	17	21	29*	51*	52	56	59
EQT049	3-77, South Flare			1	1	1				1						1			
EQT050	300-1, Crude Oil Tank (EFR)						1									1			
EQT051	300-2, Crude Oil Tank (EFR)						1									1			
EQT052	300-3, Crude Oil Tank (EFR)						1									1			
EQT054	4-00, Cooling Tower																		
EQT055	450-1, Crude Oil Tank (EFR)						1									1			
EQT056	450-2, Crude Oil Tank (EFR)						1									1			
EQT057	5-3, Slop Oil Tank (IFR)						1									1			
EQT058	5-73, DHT Charge Heater			1	1	1													
EQT059	5-88, River Loading Dock													1		1			
EQT060	55-7, Gasoline Tank (EFR)						1									1			
EQT061	80-1, Heavy Oil Tank (IFR)						2									1			
EQT062	80-10, Gasoline Tank (EFR)						1									1			
EQT063	80-11, Gasoline Tank (EFR)						1									1			
EQT064	80-12SW, Sour Water Tank (EFR)						1									1			
EQT065	80-14WW, Wastewater Tank (EFR)						1									1			
EQT066	80-15HO, Heavy Oil Tank (FR)						2									1			
EQT067	80-16Gas, Gasoline Tank (EFR)						1									1			
EQT068	80-17, Wastewater Tank (EFR)						2									1			

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2115	2121	2141	17	21	29*	51*	52	56	59
EQT069	80-18Gas, Gasoline Tank (EFR)						1									1			
EQT070	80-2, Naphtha Tank (IFR)						1									1			
EQT071	80-4, Heavy Oil Tank (FR)						2									1			
EQT073	80-6, Middle Distillate Tank (FR)						2									1			
EQT074	80-7MD, Middle Distillates Tank (FR)						2									1			
EQT075	80-8, Middle Distillates Tank (FR)						2									1			
EQT077	AH-V-Absorber, Asphaltene Tank Absorber					2	1									1			
EQT078	1-77, No. 2 Alky Reboiler			1	1	1													
EQT079	5-00, SRU No. 3 and No. 4 Incinerator			1	1	1													
EQT080	H-1, Asphaltene Handling				1														
EQT081	Y-V-306, Gasoline Tank						1									1			
EQT088	250-4, Middle Distillates Tank (EFR)						2									1			
EQT089	250-5, Middle Distillates Tank (EFR)						2									1			
EQT090	250-6, Middle Distillates Tank (EFR)						2									1			
EQT091	250-7, Middle Distillates Tank (EFR)						2									1			
EQT092	COMP, Diesel Fired Compressors																		
EQT093	GEN, Diesel Fired Generators																		
EQT094	PUMP, Diesel Fired Pumps																		

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2111	2113	2115	2121	2141	17	21	29*	51*	52	56	59
FUG001	Fugitives, Facility Fugitive Emissions							1			1					1			

KEY TO MATRIX

1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

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K. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
GRP013	Meraux Refinery	1								1	1	1		1	1				1				1		1
QT009	1-00, Hydrocracker/Hydrotreater/ Fractionator Charge Heater				1																	1			
QT010	1-06, Boiler TB-01		1		1																	1			
QT011	1-07, Boiler B-7		1		1																	1			
QT012	1-3, Slop Oil Tank (FR)					2								2					1						
QT013	1-76, East and West Vacuum Heaters		2	2	1																	1			
QT014	1-80 ROSE Heater		2	2	1																	1			
QT015	1-88F,Compressor-101B																				2				
QT017	1-88H Compressor -203																				2				
QT018	1-92, Marine Vapor Recovery Flare																	1	1						
QT019	1-93, SRU No. 2 Incinerator		2	2	1															1					
QT020	1-94, API Separator Flare									1				1					1						
QT021	1-97, Oily Water Stripper Feed Tank													1					1						
QT022	12-72A, No. 1 Crude Heater				2																	1			

Applicable Louisiana and Federal Air Quality Requirements

D No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
QT023	14-72, Hydrobon Charge Heater				1																	1			
QT024	15-72, Hydrobon Debut Reboiler				2																	1			
QT025	150-1, Middle Distillates Tank (FR)					2													1						
QT026	150-2, Wastewater Tank (FR)					2													2						
QT027	16-72, Hydrobon Depent Reboiler				2														1						
QT028	17-72a,b,c Platformer Charge Heater				1															1		1			
QT029	19-72, Platformer Debut Reboiler				2																	1			
QT030	2-00, Boiler B-5		1		1																	1			
QT032	2-77, No. 2 FCC Stack				1															1					
QT033	2-92, MDH Prdt. Fractionator Heater and				1																	1			
QT034	2-97, Oily Water Stripper Feed Tank													1					1						
QT035	20-72, North Flare Stack													1					1	1					
QT036	200-1, Gasoline Tank (EFR)					2								2					1						
QT037	200-2, Gasoline Tank (EFR)					2								2					1						

:. Applicable Louisiana and Federal Air Quality Requirements

D No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
QT038	200-3, Gasoline Tank (EFR)					2								2					1						
QT039	200-4, Crude Oil Tank (EFR)					2								2					1						
QT040	200-5SW, Sour Water Tank (EFR)					2								2					1						
QT041	200-6, Middle Distillates Tank (FR)					2								2					1						
QT042	200-7, Heavy Oil Tank (FR)					2								2					1						
QT043	21-72, Platformer Regenerator Vent Gas																			1					
QT044	25-2, Sour Water Tank (EFR)					1													1						
QT048	3-00, Boiler B-6		1		1																	1			
QT049	3-77, South Flare				1														1	1					
QT050	300-1, Crude Oil Tank (EFR)								-/1					2					1						
QT051	300-2, Crude Oil Tank (EFR)					1								2					1						
QT052	300-3, Crude Oil Tank (EFR)								-/1					2					1						
QT054	4-00, Cooling Tower																								
QT055	450-1, Crude Oil Tank (EFR)								1/-					2					1						

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Applicable Louisiana and Federal Air Quality Requirements

D No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
QT056	450-2, Crude Oil Tank (EFR)								1/-					2					1						
QT057	5-3, Slop Oil Tank (IFR)													2					1						
QT058	5-73, DHT Charge Heater				2																	1			
QT059	5-88, River Loading Dock																		1						
QT060	55-7, Gasoline Tank (EFR)					1													1						
QT061	80-1, Heavy Oil Tank (IFR)					2								2					2						
QT062	80-10, Gasoline Tank (EFR)					1													1						
QT063	80-11, Gasoline Tank (EFR)					1													1						
QT064	80-12SW, Sour Water Tank (EFR)					1													1						
QT065	80-14WW, Wastewater Tank (EFR)					1								2					1						
QT066	80-15HO, Heavy Oil Tank (FR)					2													1						
QT067	80-16Gas, Gasoline Tank (EFR)					1													1						
QT068	80-17, Wastewater Tank (EFR)					1								2					2						
QT069	80-18Gas, Gasoline Tank (EFR)					1													1						
QT070	80-2, Naphtha Tank (IFR)					2													1						

Applicable Louisiana and Federal Air Quality Requirements

D No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
QT071	80-4, Heavy Oil Tank (FR)					2													1						
QT073	80-6, Middle Distillate Tank (FR)					2													1						
QT074	80-7MD, Middle Distillates Tank (FR)					2													1						
QT075	80-8, Middle Distillates Tank (FR)					2													1						
QT077	AH-V-Absorber, Asphaltene Tank Absorber					1													1						
QT078	1-77, No. 2 Alky Reboiler				1																	1			
QT079	5-00, SRU No. 3 and No. 4 Incinerator				1															1					
QT080	H-1, Asphaltene Handling																								
QT081	Y-V-306, Gasoline Tank					2													2						
QT088	250-4, Middle Distillates Tank (FR)					2													1						
QT089	250-5, Middle Distillates Tank (FR)					2													1						
QT090	250-6, Middle Distillates Tank (FR)					2													1						
QT091	250-7, Middle Distillates Tank (FR)					2													1						
QT092	COMP, Diesel Fired Compressors																								

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:. Applicable Louisiana and Federal Air Quality Requirements

D No.:	Description	40 CFR 60 NSPS									40 CFR 61				40 CFR 63 NESHAP								40 CFR		
		A	Db	Dc	J	Kb	VV	GGG	K/Ka	QQQ	A	M	V	FF	A	F	G	Y	CC	UUU	4Zs	5Ds	64	68	82
QT093	GEN, Diesel Fired Generators																								
QT094	PUMP, Diesel Fired Pumps																								
UG001	Fugitives, Facility Fugitive Emissions							1		1				1					1						

:EY TO MATRIX

- The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

lank – The regulations clearly do not apply to this type of emission source.

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
GRP013 Facility Wide	Compliance Assurance Monitoring for Major Stationary Sources	Does not apply	40 CFR 64.2(b)	Heaters, Boilers, Reboilers receive refinery fuel gas which complies with 40 CFR 60, Subpart J and the flares and incinerators are control devices.
EQT012 1-3, Slop Oil Tank	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT013 and EQT014 1-76 and 1-80, East and West Vacuum and ROSE Heaters	Chapter 13, Emission Standard for Particulate Matter	Does not apply	LAC 33:III.1301.B	Indirect heating
	NSPS, Subpart D, Db, Dc – Steam Generating Units	Does not apply	40 CFR 60.40 40 CFR 60.40a 40 CFR 60.40b	The heaters are not steam generating units
EQT015 and EQT017 1-88F and 1-88H, Compressors	NESHAP, Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines	Does not apply	40 CFR 63.6590(a)	The engines have a rating of less than 500 bhp
EQT019 1-93, SRU No. Incinerator	NSPS, Subpart D, Db, Dc – Steam Generating Units	Does not apply	40 CFR 60.40 40 CFR 60.40a 40 CFR 60.40b	The heaters are not steam generating units
EQT020 1-94, API Separator Flare	Chapter 21, Control of Organic Compounds – Waste Gas Disposal	Does not apply	LAC 33:III.2115	Complies with 40 CFR 63, Subpart CC - a federal regulation
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	Does not receive benzene waste.

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT022 and EQT024 12-72A and 15-72, No. 1 Crude Heater and Hydrobon Debut Reboiler	Chapter 13, Emission Standard for Particulate Matter	Does not apply	LAC 33:III.1301.B	Indirect heating
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.100	No construction, reconstruction or modification was undertaken since January 14, 1984
EQT025 and EQT026 150-1 and 150-2, MD and WW Tanks	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
	NESHAP, Subpart CC – NESHAP from Petroleum Refineries: Storage Vessels	Does not apply	40 CFR 63.641	Not an affected storage vessel by definition
EQT027 and EQT029 16-72 and 19-72, Hydrobon Depent and Platform Debut Reboilers	Chapter 13, Emission Standard for Particulate Matter	Does not apply	LAC 33:III.1301.B	Indirect heating
	NSPS, Subpart D, Db, Dc – Steam Generating Units	Does not apply	40 CFR 60.40 40 CFR 60.40a 40 CFR 60.40b	The reboilers are not steam generating units
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.100	No construction, reconstruction or modification was undertaken since January 14, 1984
EQT032 2-77, No. 2 FCC Stack	Chapter 21, Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	Waste gas stream has a concentration of less than 30,000 ppm of VOC

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT032 2-77, No. 2 FCC Stack (Continued)	Chapter 17, Control of Emissions of Carbon Monoxide – Petroleum Refineries	Exempt	LAC 33:III.1701.A	Construct prior to December 1987
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries SO_2 requirements	Does not apply	40 CFR 60.104(b)	No construction, reconstruction or modification was undertaken since January 17, 1984
EQT036 thru EQT40 200-1, Gasoline, Crude Oil, and Sour Water Tanks	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT0041 200-6, Middle Distillate Tank	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110b	Tank capacity and the vapor pressure is less than the threshold
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT042 200-7, Heavy Oil Tank	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT043 21-72, Platformer Regenerator Vent Gas	Chapter 17, Control of Emissions of Carbon Monoxide – Petroleum Refineries	Exempt	LAC 33:III.1701.A	Constructed prior to December 1987

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT050 thru EQT052, EQT055 thru EQT057 300-1 thru 300-3, 450-1, 450-2, and 5-3, Crude Oil Tanks and Slop Oil Tank	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT051 300-2 Crude Oil Tank	NSPS, Subpart K, Ka – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a	Tank was constructed, reconstructed or modified after 1984
EQT058 5-73, DHT Charge Heater	Chapter 21, Control of Organic Compounds – Marine Vapor Recovery	Does not apply	LAC 33:III.2108.A	Does not load any liquid having a true vapor pressure > 1.5 psia
	NSPS, Subpart J – Standards of Performance for Petroleum Refineries	Does not apply	40 CFR 60.100	No construction, reconstruction or modification was undertaken since January 14, 1984
EQT061 80-1, Heavy Oil Tank	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT065 and EQT068 80-14WW and 80-17, Wastewater Tanks	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT066 80-15HO, Heavy Oil Tank	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110b	Tank capacity and the vapor pressure is less than the threshold
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT068 80-17, WW Tank	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
EQT070 80-2, Naphtha Tank	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
	NESHAP, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	The tank does not store benzene waste.
EQT071 and EQT075 80-4 and 80-8, Heavy Oil and MD Tanks	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110b	Tank capacity and the vapor pressure is less than the threshold
EQT073 and EQT074 80-6 and 80-7, MD Tanks	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold
	NSPS, Subpart K, Ka, Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110 40 CFR 60.110a 40 CFR 60.110b	Tank was not constructed, reconstructed or modified since June 11, 1973
EQT077 AH-V-Absorber, Asphaltene Tank Absorber	Chapter 15, Emission Standards for Sulfur Dioxide – Reduced Sulfur Compounds	Exempt	LAC 33:III.1509.A	Emits less than 10 tpy of H_2S
EQT081 Y-V-306, Gasoline Tank	NSPS, Subpart Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110b	Tank capacity is less than the threshold
	NESHAP, Subpart CC – NESHAP from Petroleum Refineries: Storage Vessels	Does not apply	40 CFR 63.641	Not an affected storage vessel by definition
EQT088 thru EQT091 250-4 thru 250-7, MD Tanks	Chapter 21, Control of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Vapor pressure of the material stored is less than the threshold

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT088 thru EQT091 250-4 thru 250-7, MD Tanks (Continued)	NSPS, Subpart Kb – Standards for Petroleum Liquids and VOC Storage Tanks	Does not apply	40 CFR 60.110b	Vapor pressure is less than the threshold
The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit				

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

40 CFR PART 70 GENERAL CONDITIONS

[LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated February 20, 2004 with further updates and addenda in June, July, August, and October of 2005; January , March, November, and December of 2006; and a renewal in October 2005; and additional information as of March 26, 2007.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June

3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1238 Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

ıo Known As:	ID	Name	User Group	Start Date
	2500-00001	Murphy Oil USA Inc - Meraux Refinery	CDS Number	05-27-1993
	2500-0001	Murphy Oil USA Inc - Meraux Refinery	Emission Inventory	03-03-2004
	71-0727492	Federal Tax ID	Federal Tax ID	11-21-1999
	LAD008058471	Murphy Oil USA Inc - Meraux Refinery	Hazardous Waste Notification	08-08-1980
	PC	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
	LAD008058471	Hazardous	Inactive & Abandoned Sites	06-01-1981
	LAD980795652	Permit #	Inactive & Abandoned Sites	04-01-1982
	LA0003646	WPC File Number	LPDES Permit #	06-25-2003
	LAG531905	LPDES #	LPDES Permit #	10-01-2005
	LAG531923	LPDES #	LPDES Permit #	10-01-2005
	LAR10B710	LPDES #	LPDES Permit #	03-24-2003
	LAR10B884	WPC File Number	LPDES Permit #	06-25-2003
	LAR10B949	LPDES Permit #	LPDES Permit #	08-08-2004
	LAR10C022	LPDES #	LPDES Permit #	11-13-2002
	WP0735	WPC State Permit Number	LWDPS Permit #	06-25-2003
		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	LA-2182-L01	Radioactive Material License	Radiation License Number	04-24-2001
	5810	X-Ray Registration Number	Radiation X-ray Registration Number	01-29-2001
	GD-087-1380	Site ID #	Solid Waste Facility No.	08-17-2001
	38784	Murphy Oil USA Inc	TEMPO Merge	04-24-2001
	44954	Murphy Oil USA Inc	TEMPO Merge	04-24-2001
	47230	Murphy Oil USA Inc - Meraux Refinery	TEMPO Merge	06-28-2001
	4822	Sinclair Gulf Corp Refinery	TEMPO Merge	10-17-2001
	66327	Murphy Oil Terminal	TEMPO Merge	08-19-2001
	2500-0001	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	70075MRPHY2500E	TRI #	Toxic Release Inventory	07-29-2004
	44010963	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002

ysical Location: 2500 E St Bernard Hwy
Meraux, LA 70075

Main FAX: 5042785201
Main Phone: 5042714141

ıiling Address: PO Box 100
Meraux, LA 70075

·lated People:

Name	Mailing Address	Phone (Type)	Relationship

TPOR0148

General Information

AI ID: 1238 Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

lated People:

Name	Mailing Address	Phone (Type)	Relationship
Marty Braud	PO Box 100 Meraux, LA 700750100		Water Permit Contact For
James Britt	PO Box 100 Meraux, LA 700750100	JIM_BRITT@MURPI	Emission Inventory Contact for
James Britt	PO Box 100 Meraux, LA 700750100	5042785201 (WF)	Emission Inventory Contact for
James Britt	PO Box 100 Meraux, LA 700750100	JIM_BRITT@MURPI	Underground Storage Tank Contact for
James Britt	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	Emission Inventory Contact for
James Britt	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	Underground Storage Tank Contact for
James Britt	PO Box 100 Meraux, LA 700750100	JIM_BRITT@MURPI	Haz. Waste Billing Party for
James Britt	PO Box 100 Meraux, LA 700750100	5042785201 (WF)	Haz. Waste Billing Party for
James Britt	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	Haz. Waste Billing Party for
James Britt	PO Box 100 Meraux, LA 700750100	5042785201 (WF)	Underground Storage Tank Contact for
Ernie Cagle	PO Box 7000 El Dorado, AR 717307000	8708626411 (WP)	Responsible Official for
Duane Chaisson	PO Box 100 Meraux, LA 700750100		Radiation Contact For
Bratley Cooper	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	Accident Prevention Contact for
Bratley Cooper	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	Accident Prevention Billing Party for
Steve Faller	PO Box 100 Meraux, LA 700750100	5042714141 (WP)	TEDI Contact for
Steve Faller	PO Box 100 Meraux, LA 700750100	STEVE.FALLER@M	TEDI Contact for
Richard Neyland		8708646262 (WP)	Katrina Response Contact for
Hector Perez	PO Box 100 Meraux, LA 700750100		Radiation Safety Officer for
Dennis Reeves		8708646262 (WP)	Katrina Response Contact for

lated Organizations:

Name	Address	Phone (Type)	Relationship
Murphy Oil - Environmental Department	PO Box 100 Meraux, LA 700750100		Water Billing Party for
Murphy Oil - Environmental Department	PO Box 100 Meraux, LA 700750100		Solid Waste Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042714141 (WP)	UST Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042785201 (WF)	UST Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042714141 (WP)	Owns
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042785201 (WF)	Owns
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042714141 (WP)	Air Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042785201 (WF)	Air Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042714141 (WP)	Radiation Registration Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042785201 (WF)	Radiation Registration Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042714141 (WP)	Radiation License Billing Party for
Murphy Oil USA Inc	2500 E St Bernard Hwy Meraux, LA 70075	5042785201 (WF)	Radiation License Billing Party for

General Information

AI ID: 1238 Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

te: This report entitled "General Information" contains a summary of facility-level information contained in *LDEQ's TEMPO database for this facility and is not considered a part of the permit.* ase review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. vid Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT009	1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters			275 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT010	1-06, Boiler TB-01			110 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT011	1-07, Boiler B-7			250 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT012	1-3, Slop Oil Tank (FR)	34104 gallons			CAP	8760 hr/yr (All Year)
EQT013	1-76, East and West Vacuum Heaters			196.2 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT014	1-80, ROSE Heater			135 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT015	1-88F, Compressor-101B			145 horsepower	CAP	3512 hr/yr (All Year)
EQT017	1-88H, Compressor-203			450 horsepower	CAP	3512 hr/yr (All Year)
EQT018	1-92, Marine Vapor Recovery Flare			19 MM bbl/yr	Gasoline Loading Only	8760 hr/yr (All Year)
EQT019	1-93, SRU No. 2 Incinerator			17.53 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT020	1-94, API Separator Flare			.71 MM BTU/hr		8760 hr/yr (All Year)
EQT021	1-97, Oily Water Stripper Feed Tank	21000 gallons		154700 bbl/yr		8760 hr/yr (All Year)
EQT022	12-72A, No. 1 Crude Heater			396 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT023	14-72, Hydrobon Charge Heater			46.88 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT024	15-72, Hydrobon Debut Reboiler			44.48 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT025	150-1, Middle Distillates Tank (FR)	6.22 million gallons			CAP	8760 hr/yr (All Year)
EQT026	150-2, Wastewater Tank (FR)	6.4 million gallons				8760 hr/yr (All Year)
EQT027	16-72, Hydrobon Depent Reboiler			50 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT028	17-72a,b,c, Platformer Charge Heater			360 MM BTU/hr	CAP (3 Stacks)	8760 hr/yr (All Year)
EQT029	19-72, Platformer Debut Reboiler			49.76 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT030	2-00, Boiler B-5			250 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT032	2-77, No. 2 FCC Stack		29725 lb/hr	26000 lb/hr	Coke burn rate	8760 hr/yr (All Year)
EQT033	2-92, MDH Product Fractionator Heater and Charge Heater			200.64 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT034	2-97, Oily Water Stripper Feed Tank	21000 gallons		154700 bbl/yr		8760 hr/yr (All Year)
EQT035	20-72, North Flare Stack			19.7 MM BTU/hr		8760 hr/yr (All Year)
EQT036	200-1, Gasoline Tank (EFR)	7.41 million gallons			CAP	8760 hr/yr (All Year)
EQT037	200-2, Gasoline Tank (EFR)	7.37 million gallons			CAP	8760 hr/yr (All Year)
EQT038	200-3, Gasoline Tank (EFR)	7.41 million gallons			CAP	8760 hr/yr (All Year)
EQT039	200-4, Crude Oil Tank (EFR)	7.26 million gallons			CAP	8760 hr/yr (All Year)
EQT040	200-5SW, Sour Water Tank (EFR)	7.46 million gallons			CAP	8760 hr/yr (All Year)
EQT041	200-6, Middle Distillates Tank (FR)	7.6 million gallons			CAP	8760 hr/yr (All Year)
EQT042	200-7, Heavy Oil Tank (FR)	8.48 million gallons			CAP	8760 hr/yr (All Year)
EQT043	21-72, Platformer Regenerator Vent Gas			40 lb/hr	Coke burn rate	8760 hr/yr (All Year)
EQT044	25-2, Sour Water Tank (IFR)	1.2 million gallons			IFR	8760 hr/yr (All Year)
EQT048	3-00, Boiler B-6			250 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT049	3-77, South Flare Stack			33.7 MM BTU/hr		8760 hr/yr (All Year)

INVENTORIES

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT050	300-1, Crude Oil Tank (EFR)	14.03 million gallons			CAP	8760 hr/yr (All Year)
EQT051	300-2, Crude Oil Tank (EFR)	14.03 million gallons			CAP	8760 hr/yr (All Year)
EQT052	300-3, Crude Oil Tank (EFR)	14.03 million gallons			CAP	8760 hr/yr (All Year)
EQT054	4-00, Cooling Tower			15000 gallons/min		8760 hr/yr (All Year)
EQT055	450-1, Crude Oil Tank (EFR)	18.18 million gallons			CAP	8760 hr/yr (All Year)
EQT056	450-2, Crude Oil Tank (EFR)	17.64 million gallons			CAP	8760 hr/yr (All Year)
EQT057	5-3, Slop Oil Tank (IFR)	194292 gallons			CAP	8760 hr/yr (All Year)
EQT058	5-73, DHT Charge Heater			43.41 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT059	5-88, River Loading Dock			29 MM bbl/yr	Loads Product < 1.5 vapor pressure	8760 hr/yr (All Year)
EQT060	55-7, Gasoline Tank (EFR)	2.12 million gallons			CAP	8760 hr/yr (All Year)
EQT061	80-1, Heavy Oil Tank (IFR)	3.03 million gallons			CAP	8760 hr/yr (All Year)
EQT062	80-10, Gasoline Tank (EFR)	2.86 million gallons			CAP	8760 hr/yr (All Year)
EQT063	80-11, Gasoline Tank (EFR)	3.05 million gallons			CAP	8760 hr/yr (All Year)
EQT064	80-12SW, Sour Water Tank (EFR)	3.05 million gallons			CAP	8760 hr/yr (All Year)
EQT065	80-14WW, Wastewater Tank (EFR)	3.05 million gallons			CAP	8760 hr/yr (All Year)
EQT066	80-15HO, Heavy Oil Tank (FR)	3.3 million gallons			CAP	8760 hr/yr (All Year)
EQT067	80-16Gas, Gasoline Tank (IFR)	2.97 million gallons			IFR, CAP	8760 hr/yr (All Year)
EQT068	80-17, Wastewater Tank (EFR)	3.38 million gallons				8760 hr/yr (All Year)
EQT069	80-18Gas, Gasoline Tank (EFR)	3.02 million gallons			CAP	8760 hr/yr (All Year)
EQT070	80-2, Naphtha Tank (IFR)	3.03 million gallons			CAP	8760 hr/yr (All Year)
EQT071	80-4, Heavy Oil Tank (FR)	3.38 million gallons			CAP	8760 hr/yr (All Year)
EQT073	80-6, Middle Distillates Tank (FR)	3.27 million gallons			CAP	8760 hr/yr (All Year)
EQT074	80-7MD, Middle Distillates Tank (FR)	3.25 million gallons			CAP	8760 hr/yr (All Year)
EQT075	80-8, Middle Distillates Tank (FR)	3.22 million gallons			CAP	8760 hr/yr (All Year)
EQT077	AH-V-Absorber, Asphaltene Tank Absorber					8760 hr/yr (All Year)
EQT078	1-77, No. 2 Alky Reboiler			164.34 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT079	5-00, SRU No. 3 and No. 4 Incinerator			75 MM BTU/hr	CAP	8760 hr/yr (All Year)
EQT080	H-1, Asphaltene Handling			18268 tons/yr		8760 hr/yr (All Year)
EQT081	Y-V-306, Gasoline Tank	4000 gallons				8760 hr/yr (All Year)
EQT088	250-4, Middle Distillates Tank (EFR)	11.4 million gallons			CAP	8760 hr/yr (All Year)
EQT089	250-5, Middle Distillates Tank (EFR)	11.4 million gallons			CAP	8760 hr/yr (All Year)
EQT090	250-6, Middle Distillates Tank (EFR)	11.4 million gallons			CAP	8760 hr/yr (All Year)
EQT091	250-7, Middle Distillates Tank (EFR)	11.4 million gallons			CAP	8760 hr/yr (All Year)

INVENTORIES

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Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT092	COMP, Diesel Fired Compressors					(None Specified)
EQT093	GEN, Diesel Fired Generators					(None Specified)
EQT094	PUMP, Diesel Fired Pumps					(None Specified)
EQT095	TRND, Refinery Turnaround Emissions					(None Specified)
EQT097	DS-V-014, Vent Stream					8760 hr/yr (All Year)
EQT098	DS-V-003, Vent Stream					8760 hr/yr (All Year)
EQT099	AL-V-002, Vent Stream					8760 hr/yr (All Year)
EQT100	Q-L-V-009, Vent Stream					8760 hr/yr (All Year)
EQT101	Vent Stream					8760 hr/yr (All Year)
EQT102	Vent Streams					8760 hr/yr (All Year)
EQT103	Vent Streams					8760 hr/yr (All Year)
EQT104	Vent Stream					8760 hr/yr (All Year)
EQT105	Vent Stream					8760 hr/yr (All Year)
EQT106	PV-045, Vent Stream					8760 hr/yr (All Year)
EQT107	Vent Stream					8760 hr/yr (All Year)
EQT108	AH-V-301, Vent Stream					8760 hr/yr (All Year)
EQT109	AH-V-302, Vent Stream					8760 hr/yr (All Year)
EQT110	AH-V-303, Vent Stream					8760 hr/yr (All Year)
EQT112	Vent Stream					8760 hr/yr (All Year)
EQT113	Vent Stream					8760 hr/yr (All Year)
EQT114	Vent Stream					8760 hr/yr (All Year)
EQT115	Vent Stream					8760 hr/yr (All Year)
EQT116	Vent Stream					8760 hr/yr (All Year)
EQT117	Vent Stream					8760 hr/yr (All Year)
EQT118	Vent Stream					8760 hr/yr (All Year)
FUG001	Fugitives, Facility Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Crude Tanks Emission Cap	EQT39 200-4, Crude Oil Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT40 200-5SW, Sour Water Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT50 300-1, Crude Oil Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT51 300-2, Crude Oil Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT52 300-3, Crude Oil Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT55 450-1, Crude Oil Tank (EFR)
GRP004	Crude Tanks Emission Cap	EQT56 450-2, Crude Oil Tank (EFR)

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Gasoline Tanks Emission Cap	EQT36 200-1, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT37 200-2, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT38 200-3, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT60 55-7, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT62 80-10, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT63 80-11, Gasoline Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT64 80-12SW, Sour Water Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT65 80-14WW, Wastewater Tank (EFR)
GRP005	Gasoline Tanks Emission Cap	EQT67 80-16Gas, Gasoline Tank (IFR)
GRP005	Gasoline Tanks Emission Cap	EQT69 80-18Gas, Gasoline Tank (EFR)
GRP006	Heaters and Boilers Emission Cap	EQT9 1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters
GRP006	Heaters and Boilers Emission Cap	EQT10 1-06, Boiler TB-01
GRP006	Heaters and Boilers Emission Cap	EQT11 1-07, Boiler B-7
GRP006	Heaters and Boilers Emission Cap	EQT13 1-76, East and West Vacuum Heaters
GRP006	Heaters and Boilers Emission Cap	EQT14 1-80, ROSE Heater
GRP006	Heaters and Boilers Emission Cap	EQT22 12-72A, No. 1 Crude Heater
GRP006	Heaters and Boilers Emission Cap	EQT23 14-72, Hydrobon Charge Heater
GRP006	Heaters and Boilers Emission Cap	EQT24 15-72, Hydrobon Debut Reboiler
GRP006	Heaters and Boilers Emission Cap	EQT27 16-72, Hydrobon Depent Reboiler
GRP006	Heaters and Boilers Emission Cap	EQT28 17-72a,b,c, Platformer Charge Heater
GRP006	Heaters and Boilers Emission Cap	EQT29 19-72, Platformer Debut Reboiler
GRP006	Heaters and Boilers Emission Cap	EQT30 2-00, Boiler B-5
GRP006	Heaters and Boilers Emission Cap	EQT33 2-92, MDH Product Fractionator Heater and Charge Heater
GRP006	Heaters and Boilers Emission Cap	EQT48 3-00, Boiler B-6
GRP006	Heaters and Boilers Emission Cap	EQT58 5-73, DHT Charge Heater
GRP006	Heaters and Boilers Emission Cap	EQT78 1-77, No. 2 Alky Reboiler
GRP007	Heavy Oil Tanks Emission Cap	EQT42 200-7, Heavy Oil Tank (FR)
GRP007	Heavy Oil Tanks Emission Cap	EQT61 80-1, Heavy Oil Tank (IFR)
GRP007	Heavy Oil Tanks Emission Cap	EQT66 80-15HO, Heavy Oil Tank (FR)
GRP007	Heavy Oil Tanks Emission Cap	EQT71 80-4, Heavy Oil Tank (FR)
GRP007	Heavy Oil Tanks Emission Cap	EQT74 80-7MD, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT25 150-1, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT41 200-6, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT50 300-1, Crude Oil Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT51 300-2, Crude Oil Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT52 300-3, Crude Oil Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT62 80-10, Gasoline Tank (EFR)

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP008	Middle Distillates Tanks Emission Cap	EQT64 80-12SW, Sour Water Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT65 80-14WW, Wastewater Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT69 80-18Gas, Gasoline Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT73 80-6, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT74 80-7MD, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT75 80-8, Middle Distillates Tank (FR)
GRP008	Middle Distillates Tanks Emission Cap	EQT88 250-4, Middle Distillates Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT89 250-5, Middle Distillates Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT90 250-6, Middle Distillates Tank (EFR)
GRP008	Middle Distillates Tanks Emission Cap	EQT91 250-7, Middle Distillates Tank (EFR)
GRP009	Naphtha Tanks Emission Cap	EQT63 80-11, Gasoline Tank (EFR)
GRP009	Naphtha Tanks Emission Cap	EQT67 80-16Gas, Gasoline Tank (IFR)
GRP009	Naphtha Tanks Emission Cap	EQT70 80-2, Naphtha Tank (IFR)
GRP010	Slop Oil Tanks Emission Cap	EQT12 1-3, Slop Oil Tank (FR)
GRP010	Slop Oil Tanks Emission Cap	EQT57 5-3, Slop Oil Tank (IFR)
GRP011	SRU Emission Cap	EQT19 1-93, SRU No. 2 Incinerator
GRP011	SRU Emission Cap	EQT79 5-00, SRU No. 3 and No. 4 Incinerator
GRP012	Compressor Emission Cap	EQT15 1-88F, Compressor-101B
GRP012	Compressor Emission Cap	EQT17 1-88H, Compressor-203
GRP013	Meraux Refinery	EQT9 1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters
GRP013	Meraux Refinery	EQT10 1-06, Boiler TB-01
GRP013	Meraux Refinery	EQT11 1-07, Boiler B-7
GRP013	Meraux Refinery	EQT12 1-3, Slop Oil Tank (FR)
GRP013	Meraux Refinery	EQT13 1-76, East and West Vacuum Heaters
GRP013	Meraux Refinery	EQT14 1-80, ROSE Heater
GRP013	Meraux Refinery	EQT15 1-88F, Compressor-101B
GRP013	Meraux Refinery	EQT17 1-88H, Compressor-203
GRP013	Meraux Refinery	EQT18 1-92, Marine Vapor Recovery Flare
GRP013	Meraux Refinery	EQT19 1-93, SRU No. 2 Incinerator
GRP013	Meraux Refinery	EQT20 1-94, API Separator Flare
GRP013	Meraux Refinery	EQT21 1-97, Oily Water Stripper Feed Tank
GRP013	Meraux Refinery	EQT22 12-72A, No. 1 Crude Heater
GRP013	Meraux Refinery	EQT23 14-72, Hydrobon Charge Heater
GRP013	Meraux Refinery	EQT24 15-72, Hydrobon Debut Reboiler
GRP013	Meraux Refinery	EQT25 150-1, Middle Distillates Tank (FR)
GRP013	Meraux Refinery	EQT26 150-2, Wastewater Tank (FR)
GRP013	Meraux Refinery	EQT27 16-72, Hydrobon Depent Reboiler

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP013	Meraux Refinery	EQT28 17-72a,b,c, Platformer Charge Heater
GRP013	Meraux Refinery	EQT29 19-72, Platformer Debut Reboiler
GRP013	Meraux Refinery	EQT30 2-00, Boiler B-5
GRP013	Meraux Refinery	EQT32 2-77, No. 2 FCC Stack
GRP013	Meraux Refinery	EQT33 2-92, MDH Product Fractionator Heater and Charge Heater
GRP013	Meraux Refinery	EQT34 2-97, Oily Water Stripper Feed Tank
GRP013	Meraux Refinery	EQT35 20-72, North Flare Stack
GRP013	Meraux Refinery	EQT36 200-1, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT37 200-2, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT38 200-3, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT39 200-4, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT40 200-5SW, Sour Water Tank (EFR)
GRP013	Meraux Refinery	EQT41 200-6, Middle Distillates Tank (FR)
GRP013	Meraux Refinery	EQT42 200-7, Heavy Oil Tank (FR)
GRP013	Meraux Refinery	EQT43 21-72, Platformer Regenerator Vent Gas
GRP013	Meraux Refinery	EQT44 25-2, Sour Water Tank (IFR)
GRP013	Meraux Refinery	EQT48 3-00, Boiler B-6
GRP013	Meraux Refinery	EQT49 3-77, South Flare Stack
GRP013	Meraux Refinery	EQT50 300-1, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT51 300-2, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT52 300-3, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT54 4-00, Cooling Tower
GRP013	Meraux Refinery	EQT55 450-1, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT56 450-2, Crude Oil Tank (EFR)
GRP013	Meraux Refinery	EQT57 5-3, Slop Oil Tank (IFR)
GRP013	Meraux Refinery	EQT58 5-73, DHT Charge Heater
GRP013	Meraux Refinery	EQT59 5-88, River Loading Dock
GRP013	Meraux Refinery	EQT60 55-7, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT61 80-1, Heavy Oil Tank (IFR)
GRP013	Meraux Refinery	EQT62 80-10, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT63 80-11, Gasoline Tank (EFR)
GRP013	Meraux Refinery	EQT64 80-12SW, Sour Water Tank (EFR)
GRP013	Meraux Refinery	EQT65 80-14WW, Wastewater Tank (EFR)
GRP013	Meraux Refinery	EQT66 80-15HO, Heavy Oil Tank (FR)
GRP013	Meraux Refinery	EQT67 80-16Gas, Gasoline Tank (IFR)
GRP013	Meraux Refinery	EQT68 80-17, Wastewater Tank (EFR)
GRP013	Meraux Refinery	EQT69 80-18Gas, Gasoline Tank (EFR)

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Subject Item Groups:

ID	Description	Included Components (from Above)
GRP013	Meraux Refinery	EQT70 80-2, Naphtha Tank (IFR)
GRP013	Meraux Refinery	EQT71 80-4, Heavy Oil Tank (FR)
GRP013	Meraux Refinery	EQT73 80-6, Middle Distillates Tank (FR)
GRP013	Meraux Refinery	EQT74 80-7MD, Middle Distillates Tank (FR)
GRP013	Meraux Refinery	EQT75 80-8, Middle Distillates Tank (FR)
GRP013	Meraux Refinery	EQT77 AH-V-Absorber, Asphaltene Tank Absorber
GRP013	Meraux Refinery	EQT78 1-77, No. 2 Alky Reboiler
GRP013	Meraux Refinery	EQT79 5-00, SRU No. 3 and No. 4 Incinerator
GRP013	Meraux Refinery	EQT80 H-1, Asphaltene Handling
GRP013	Meraux Refinery	EQT81 Y-V-306, Gasoline Tank
GRP013	Meraux Refinery	EQT88 250-4, Middle Distillates Tank (EFR)
GRP013	Meraux Refinery	EQT89 250-5, Middle Distillates Tank (EFR)
GRP013	Meraux Refinery	EQT90 250-6, Middle Distillates Tank (EFR)
GRP013	Meraux Refinery	EQT91 250-7, Middle Distillates Tank (EFR)
GRP013	Meraux Refinery	EQT92 COMP, Diesel Fired Compressors
GRP013	Meraux Refinery	EQT93 GEN, Diesel Fired Generators
GRP013	Meraux Refinery	EQT94 PUMP, Diesel Fired Pumps
GRP013	Meraux Refinery	EQT95 TRND, Refinery Turnaround Emissions
GRP013	Meraux Refinery	FUG1 Fugitives, Facility Fugitive Emissions
GRP014	1-77, No. 2 Alky Reboiler Pre-project	EQT78 1-77, No. 2 Alky Reboiler
GRP015	1-76, E & W Vacuum Heaters Pre-project	EQT13 1-76, East and West Vacuum Heaters
GRP016	2-77, No. 2 FCC Stack Pre-project	EQT32 2-77, No. 2 FCC Stack
GRP017	CAP-HEATERS, Pre-project	GRP6 Heaters and Boilers Emission Cap
GRP018	20-72, N Flare Stack Pre-project	EQT35 20-72, North Flare Stack
GRP020	3-77, S Flare Stack Preproject	EQT49 3-77, South Flare Stack

Relationships:

Subject Item	Relationship	Subject Item
EQT97 DS-V-014, Vent Stream	Controlled by	EQT49 3-77, South Flare Stack
EQT98 DS-V-003, Vent Stream	Controlled by	EQT49 3-77, South Flare Stack
EQT99 AL-V-002, Vent Stream	Controlled by	EQT49 3-77, South Flare Stack
EQT100 Q-L-V-009, Vent Stream	Controlled by	EQT49 3-77, South Flare Stack
EQT101 Vent Stream	Controlled by	EQT78 1-77, No. 2 Alky Reboiler
EQT102 Vent Streams	Controlled by	EQT28 17-72a,b,c, Platformer Charge Heater
EQT102 Vent Streams	Controlled by	EQT35 20-72, North Flare Stack
EQT102 Vent Streams	Controlled by	EQT49 3-77, South Flare Stack
EQT103 Vent Streams	Controlled by	EQT43 21-72, Platformer Regenerator Vent Gas

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Relationships:

Subject Item	Relationship	Subject Item
EQT104 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT105 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT106 PV-045, Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT107 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT108 AH-V-301, Vent Stream	Controlled by	EQT77 AH-V-Absorber, Asphaltene Tank Absorber
EQT109 AH-V-302, Vent Stream	Controlled by	EQT77 AH-V-Absorber, Asphaltene Tank Absorber
EQT110 AH-V-303, Vent Stream	Controlled by	EQT77 AH-V-Absorber, Asphaltene Tank Absorber
EQT112 Vent Stream	Controlled by	EQT13 1-76, East and West Vacuum Heaters
EQT113 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT114 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT115 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT116 Vent Stream	Controlled by	EQT35 20-72, North Flare Stack
EQT117 Vent Stream	Controlled by	EQT20 1-94, API Separator Flare
EQT118 Vent Stream	Controlled by	EQT18 1-92, Marine Vapor Recovery Flare

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT009	1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters	21.5	85195.8	9.17		226	600
EQT010	1-06, Boiler TB-01	38.46	28997.5	4		33	345
EQT011	1-07, Boiler B-7	51	52338.93	4.67		150	298
EQT012	1-3, Slop Oil Tank (FR)			21.25		16	110
EQT013	1-76, East and West Vacuum Heaters	20	53020	7.5		110	300
EQT014	1-80, ROSE Heater	10.83	41587.2	8		110	350
EQT015	1-88F, Compressor-101B	151	775	.83		20	750
EQT017	1-88H, Compressor-203	151	445	.25		8	750
EQT018	1-92, Marine Vapor Recovery Flare	65.62		.82		88	538
EQT019	1-93, SRU No. 2 Incinerator	107	20377	2		200	500
EQT020	1-94, API Separator Flare	.01	11.5	5		40	1500
EQT021	1-97, Oily Water Stripper Feed Tank				.15	14.25	68.06
EQT022	12-72A, No. 1 Crude Heater	23.2	114862	10.25		170	350
EQT023	14-72, Hydrobon Charge Heater	14.43	13525	4.71		126	725
EQT024	15-72, Hydrobon Debut Reboiler	13.21	12384	4.46		125	625
EQT025	150-1, Middle Distillates Tank (FR)			165		40	100.02
EQT026	150-2, Wastewater Tank (FR)			165		40	90
EQT027	16-72, Hydrobon Depent Reboiler	11.69	10957	4.46		125	500
EQT028	17-72a,b,c, Platformer Charge Heater	16.93	44356	7.5		180	580
EQT029	19-72, Platformer Debut Reboiler	6.31	4091	3.71		125	510
EQT030	2-00, Boiler B-5	51	52338.93	4.67		150	298
EQT032	2-77, No. 2 FCC Stack	80.5	180556	7		180	600
EQT033	2-92, MDH Product Fractionator Heater and Charge Heater	14.9	56874	9		150	350

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Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT034	2-97, Oily Water Stripper Feed Tank				.15	14.25	68.06
EQT035	20-72, North Flare Stack	65.6	35424	4.5		200	1832
EQT036	200-1, Gasoline Tank (EFR)			215		32	68.06
EQT037	200-2, Gasoline Tank (EFR)			215		32	68.06
EQT038	200-3, Gasoline Tank (EFR)			215		32	68.06
EQT039	200-4, Crude Oil Tank (EFR)			215		32	68.06
EQT040	200-5SW, Sour Water Tank (EFR)			215		32	68.06
EQT041	200-6, Middle Distillates Tank (FR)				66	32	100.02
EQT042	200-7, Heavy Oil Tank (FR)			190		40	185.02
EQT043	21-72, Platformer Regenerator Vent Gas	.58	1.7	3		80	100
EQT044	25-2, Sour Water Tank (IFR)			80		32	68.06
EQT048	3-00, Boiler B-6	51	52338.93	4.67		150	298
EQT049	3-77, South Flare Stack	65.6	35424	4.5		200	1832
EQT050	300-1, Crude Oil Tank (EFR)			223		48	100.02
EQT051	300-2, Crude Oil Tank (EFR)			223		48	100.02
EQT052	300-3, Crude Oil Tank (EFR)			223		48	100.02
EQT055	450-1, Crude Oil Tank (EFR)			317		32	68.06
EQT056	450-2, Crude Oil Tank (EFR)			317		32	68.06
EQT057	5-3, Slop Oil Tank (IFR)				10.5	30	185.02
EQT058	5-73, DHT Charge Heater	14.04	11728	4.21		48.33	1100
EQT060	55-7, Gasoline Tank (EFR)			100		40	68.06
EQT061	80-1, Heavy Oil Tank (IFR)			120		40	185.02
EQT062	80-10, Gasoline Tank (EFR)			134		32	100.02
EQT063	80-11, Gasoline Tank (EFR)			120		40	68.06
EQT064	80-12SW, Sour Water Tank (EFR)			120		30	100.02
EQT065	80-14WW, Wastewater Tank (EFR)			120		40	115.02
EQT066	80-15HO, Heavy Oil Tank (FR)				.2	32	185.02
EQT067	80-16Gas, Gasoline Tank (IFR)			135		32	68.06
EQT068	80-17, Wastewater Tank (EFR)			120		40	115.02
EQT069	80-18Gas, Gasoline Tank (EFR)			120		40	100.02
EQT070	80-2, Naphtha Tank (IFR)			120		40	68.06
EQT071	80-4, Heavy Oil Tank (FR)			120		40	185.02
EQT073	80-6, Middle Distillates Tank (FR)			134		32	100.02
EQT074	80-7MD, Middle Distillates Tank (FR)			134		32	185.02
EQT075	80-8, Middle Distillates Tank (FR)			120		40	100.02
EQT077	AH-V-Absorber, Asphaltene Tank Absorber	3.4	40	.25		35	100
EQT078	1-77, No. 2 Alky Reboiler	5.61	16195	8.83		200	416
EQT079	5-00, SRU No. 3 and No. 4 Incinerator	21	35236	5.97		200	1200
EQT081	Y-V-306, Gasoline Tank			7		15	70.82
EQT088	250-4, Middle Distillates Tank (EFR)			210		50.58	100.02
EQT089	250-5, Middle Distillates Tank (EFR)			210		50.58	100.02
EQT090	250-6, Middle Distillates Tank (EFR)			210		50.58	100.02

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Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT091	250-7, Middle Distillates Tank (EFR)			210		50.58	100.02

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
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	PM_{10}			SO_2			NOx			CO			VOC		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
.QT 009 00		2.28			8.14			27.50			25.15			1.65	
.QT 010 06		0.91			3.25			11.00			10.06			0.66	
.QT 011 07		2.07			7.40			10.00			22.87			1.50	
.QT 012 3														3.80	
.QT 013 76		1.62			5.80			19.62			53.96			1.18	
QT 014 80		1.12			3.99			13.50			12.35			0.81	
QT 015 88F		0.32			0.30			4.50			0.97			0.36	
QT 017 88H		0.99			0.92			13.95			3.01			1.13	
QT 018 92	0.91	24.80	3.99				2.35	59.80	10.29	1.83	45.80	8.02	6.48	119.60	28.39
QT 019 93		2.06			18.30			3.10			3.65			0.60	
QT 020 94	0.01	0.01	0.03	0.001	0.001	0.002	0.07	0.07	0.32	0.03	0.03	0.14	0.18	0.18	0.81
QT 021 97													0.01	0.01	0.03
QT 022 2-72A		3.28			11.71			39.60			36.22			2.37	
QT 023 1-72		0.39			1.39			11.72			4.29			0.28	
QT 024 5-72		0.37			1.32			6.85			4.07			0.27	
QT 025 50-1														3.68	
QT 026 50-2													4.62	4.76	20.26
QT 027 5-72		0.41			1.48			7.70			4.57			0.30	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
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	PM_{10}			SO_2			NOx			CO			VOC		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 028 -72a,b,c		2.98			10.65			28.80			32.93			2.16	
QT 029 -72		0.41			1.47			7.66			4.55			0.30	
QT 030 00		2.07			7.40			20.00			22.87			1.50	
QT 032 77	26.03	29.73	114.00	45.59	291.31	199.70	26.22	94.70	114.83	197.72	224.00	866.00	< 0.001	< 0.001	< 0.001
QT 033 92		1.66			5.94			20.06			18.35			1.20	
QT 034 97													0.01	0.01	0.03
QT 035 -72	0.16	0.16	0.71	0.62	0.62	2.10	1.49	1.49	6.52	8.10	8.10	35.48	3.06	3.06	13.42
QT 036 0-1														0.97	
QT 037 0-2														1.49	
QT 038 0-3														0.97	
QT 039 0-4														1.20	
QT 040 0-5SW													0.21	1.20	0.91
QT 041 0-6														4.30	
QT 042 0-7														1.15	
QT 044 -2													0.03	0.03	0.12
QT 048 00		2.07			7.40			20.00			22.87			1.50	
QT 049 77	0.28	0.28	1.22	3.72	506.12	16.30	2.54	2.54	11.15	13.85	13.85	60.65	5.24	5.24	22.95
QT 050 0-1														1.20	

TPOR0145

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	PM_{10}			SO_2			NOx			CO			VOC		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 051 0-2														1.28	
QT 052 0-3														1.20	
QT 054)0	0.38	0.45	1.64										0.63	0.76	2.76
QT 055 0-1														0.91	
QT 056 0-2														0.91	
QT 057 3														0.55	
QT 058 73		0.36			1.28			4.73			3.97			0.26	
QT 059 38													2.15	2.57	9.40
QT 060 -7														0.80	
QT 061 -1														0.77	
QT 062 -10														0.79	
QT 063 -11														0.65	
QT 064 -12SW													0.14	0.80	0.61
QT 065 -14WW													0.18	0.90	0.81
QT 066 -15HO														0.91	
QT 067 -16Gas														0.37	
QT 068 -17													0.12	0.12	0.52
QT 069 -18Gas														1.06	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

	PM_{10}			SO_2			NOx			CO			VOC		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 070 -2														0.40	
QT 071 -4														0.92	
QT 073 -6														2.78	
QT 074 -7MD														2.76	
QT 075 -8														2.75	
QT 077 I-V-Absorber													1.13	2.20	4.97
QT 078 77		1.36			4.86			50.11			15.03			0.98	
QT 079 00		0.62			55.00			6.00			6.86			0.45	
QT 080 1	0.10	0.29	0.42												
QT 081 V-306													0.30	0.30	1.33
QT 088 0-4														0.19	
QT 089 0-5														0.19	
QT 090 0-6														0.19	
QT 091 0-7														0.19	
QT 092 DMP	2.15	2.58	1.08	9.02	10.82	4.51	82.50	99	41.25	15.80	18.96	7.90	1.10	1.32	0.55
QT 093 EN	9.79	11.75	1.96	14.44	17.33	2.89	246.18	295.42	49.24	208.01	249.61	41.60	24.47	29.37	4.89
QT 094 JMP	9.59	11.51	3.32	8.94	10.73	3.09	135.16	162.19	46.75	29.12	34.95	10.07	10.96	13.15	3.79
QT 095 RND	0.001	0.02	0.004	4.11	750.00	18.00	0.13	2.31	0.58	11.33	4710.35	49.61	2.87	49.87	12.57

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	PM_{10}			SO_2			NOx			CO			VOC		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
JG 001 gitives													71.60		313.00
RP 004 \P-CRUDE													2.26		9.91
RP 005 \P-GASOLINE													6.94		30.41
RP 006 \P-HEATERS	15.02		65.79	53.69		235.16	201.83		884.02	193.55		847.74	10.87		47.61
RP 007 \P-HEAVY OIL													1.65		7.23
RP 008 \P-MID													9.73		42.61
RP 009 \P-NAPHTHA													0.54		2.35
RP 010 \P-SLOP OIL													2.75		12.03
RP 011 \P-SRUs	2.27		9.95	45.80		200.60	5.20		22.79	6.06		26.53	0.76		3.32
RP 012 38	1.31		2.29	1.22		2.14	18.45		32.32	3.97		6.96	1.50		2.62
RP 014					**7.18**										
RP 015					**82.87**										
RP 016	**26.03**	**29.73**	**114.00**	**103.20**	**291.31**	**452.00**	**56.16**	**94.70**	**246.00**	**197.72**	**224.00**	**866.00**			
RP 017				**73.14**		**320.37**									
RP 018	**0.20**	**0.20**	**0.89**	**5.30**	**5.30**	**22.29**	**1.85**	**1.85**	**8.11**	**10.08**	**10.08**	**44.14**	**3.81**	**3.81**	**16.70**
RP 020	**0.31**	**0.31**	**1.35**	**3.77**	**506.22**	**16.50**	**2.80**	**2.80**	**12.28**	**15.26**	**15.26**	**66.84**	**5.77**	**5.77**	**25.29**

te: Emission rates in bold are from alternate scenarios and are not included in permitted totals

rmit Phase Totals:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

10: 206.40 tons/yr
2: 684.49 tons/yr
x: 1220.06 tons/yr
: 1960.70 tons/yr
C: 600.21 tons/yr

ission rates Notes:

P 014	SO2	Max lb/hr	Emission Point 1-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 015	SO2	Max lb/hr	Emission Point 1-76 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 016	CO	Tons/Year	Emission Point 2-77 - Shall comply with these emissions for all criteria pollutants in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 017	SO2	Tons/Year	Emission Point CAP-HEATERS - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	PM10	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	PM10	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	PM10	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	SO2	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	SO2	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	SO2	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	NOx	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	NOx	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	NOx	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	CO	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	CO	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	CO	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	VOC	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	VOC	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	VOC	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	PM10	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	PM10	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	PM10	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	SO2	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	SO2	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

P 020	SO2	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	NOx	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	NOx	Max lb/hr	Emission Point3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	NOx	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	CO	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	CO	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	CO	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	VOC	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	VOC	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year
P 020	VOC	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	1,3-Butadiene			Ammonia			Benzene			Cumene			Ethyl benzene		
ıbject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 012								0.02						0.01	
QT 018 12							0.07	1.34	0.32				0.005	0.09	0.02
QT 019 13															
QT 020 14															
QT 025 0-1								0.05						0.02	
QT 026 0-2							0.07	0.07	0.29	< 0.001	< 0.001	0.001	0.005	0.005	0.02
QT 032 77				10.42	11.91	45.64									
QT 035 -72							0.12	0.12	0.54						
QT 036 0-1								0.01						0.001	
QT 037 0-2								0.02						0.001	
QT 038 0-3								0.01						0.001	
QT 039 0-4								0.005			< 0.001			< 0.001	
QT 040 0-5SW							0.003	0.005	0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001
QT 041 0-6								0.06						0.02	
QT 042 0-7								< 0.001			< 0.001			< 0.001	
QT 043 -72															
QT 044 -2							< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
QT 049 77							0.21	0.21	0.92						

TPOR0146

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	Formaldehyde			Hydrochloric acid			Hydrogen sulfide			Methyl Tertiary Butyl Ether			Naphthalene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 012 3															
QT 018 92										1.06	19.47	4.62			
QT 019 93								0.50							
QT 020 94															
QT 025 0-1														< 0.001	
QT 026 0-2													< 0.001	< 0.001	< 0.001
QT 032 77															
QT 035 -72	0.25	0.25	1.07												
QT 036 0-1											0.16				
QT 037 0-2											0.24				
QT 038 0-3											0.16				
QT 039 0-4														< 0.001	
QT 040 0-5SW													< 0.001	< 0.001	< 0.001
QT 041 0-6														0.001	
QT 042 0-7														0.002	
QT 043 -72				0.006	0.006	0.03									
QT 044 -2													< 0.001	< 0.001	< 0.001
QT 049 77	0.42	0.42	1.84												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

	Polynuclear Aromatic Hydrocar bons			Toluene			Xylene (mixed isomers)			n-Hexane		
ıbject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ΩT 012 ;					0.05			0.07			0.14	
ΩT 018 ;2				0.07	1.28	0.30	0.03	0.57	0.13	0.07	1.34	0.32
ΩT 019 ;3												
ΩT 020 ;4										0.007	0.01	0.03
ΩT 025 ;-1		< 0.001			0.08			0.12			0.10	
ΩT 026 ;-2	< 0.001	< 0.001	0.001	0.04	0.04	0.17	0.02	0.03	0.11	0.55	0.57	2.42
ΩT 032 ;7												
ΩT 035 -72				0.06	0.06	0.27						
ΩT 036 ;-1					0.01			0.005			0.01	
ΩT 037 ;-2					0.02			0.01			0.02	
ΩT 038 ;-3					0.01			0.005			0.01	
ΩT 039 ;-4		< 0.001			0.003			0.002			0.02	
ΩT 040 ;-5SW	< 0.001	< 0.001	< 0.001	0.002	0.003	0.01	0.001	0.002	0.01	0.02	0.02	0.11
ΩT 041 ;-6		< 0.001			0.10			0.14			0.12	
ΩT 042 ;-7		0.006			< 0.001			< 0.001			< 0.001	
ΩT 043 -72												
ΩT 044 -2	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	0.003	0.003	0.01
ΩT 049 77				0.10	0.10	0.46						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	1,3-Butadiene			Ammonia			Benzene			Cumene			Ethyl benzene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 050 0-1								0.01			< 0.001			0.001	
QT 051 0-2								0.01			< 0.001			0.001	
QT 052 0-3								0.01			< 0.001			0.001	
QT 055 0-1								0.003			< 0.001			< 0.001	
QT 056 0-2								0.003			< 0.001			< 0.001	
QT 057 3								0.002						0.001	
QT 059 38							0.03	0.03	0.12	< 0.001	< 0.001	< 0.001	0.01	0.01	0.05
QT 060 -7								0.01						0.001	
QT 061 -1								< 0.001			< 0.001			< 0.001	
QT 062 -10								0.01						0.001	
QT 063 -11								0.01			< 0.001			< 0.001	
QT 064 -12SW							0.002	0.01	0.01	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001
QT 065 -14WW							0.003	0.01	0.01	< 0.001	< 0.001	< 0.001	< 0.001	0.001	0.001
QT 066 -15HO								< 0.001			< 0.001			< 0.001	
QT 067 -16Gas								0.004			< 0.001			< 0.001	
QT 068 -17							0.002	0.002	0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001
QT 069 -18Gas								0.01						0.001	
QT 070 -2								0.01			< 0.001			< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	Formaldehyde			Hydrochloric acid			Hydrogen sulfide			Methyl Tertiary Butyl Ether			Naphthalene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 050 0-1														< 0.001	
QT 051 0-2														< 0.001	
QT 052 0-3														< 0.001	
QT 055 0-1														< 0.001	
QT 056 0-2														< 0.001	
QT 057 3															
QT 059 38													0.005	0.005	0.02
QT 060 -7											0.13				
QT 061 -1														0.002	
QT 062 -10											0.13			< 0.001	
QT 063 -11											0.11			< 0.001	
QT 064 -12SW											0.13		< 0.001	< 0.001	< 0.001
QT 065 -14WW											0.15		< 0.001	< 0.001	< 0.001
QT 066 -15HO														0.002	
QT 067 -16Gas											0.06			< 0.001	
QT 068 -17													< 0.001	< 0.001	< 0.001
QT 069 -18Gas											0.17			< 0.001	
QT 070 -2														< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	Polynuclear Aromatic Hydrocar bons			Toluene			Xylene (mixed isomers)			n-Hexane		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 050 0-1		< 0.001			0.003			0.004			0.02	
QT 051 0-2		< 0.001			0.003			0.004			0.02	
QT 052 0-3		< 0.001			0.003			0.004			0.02	
QT 055 0-1		< 0.001			0.002			0.001			0.02	
QT 056 0-2		< 0.001			0.002			0.001			0.02	
QT 057 3					0.01			0.01			0.02	
QT 059 18	0.01	0.01	0.05	0.05	0.06	0.22	0.07	0.08	0.30	0.06	0.07	0.25
QT 060 -7					0.01			0.004			0.01	
QT 061 -1		0.004			< 0.001			< 0.001			< 0.001	
QT 062 -10		< 0.001			0.01			0.01			0.01	
QT 063 -11		< 0.001			0.01			0.003			0.02	
QT 064 -12SW	< 0.001	< 0.001	< 0.001	0.001	0.01	0.01	0.001	0.01	0.003	0.02	0.02	0.07
QT 065 -14WW	< 0.001	< 0.001	< 0.001	0.002	0.01	0.01	0.001	0.01	0.004	0.02	0.02	0.10
QT 066 -15HO		0.005			< 0.001			< 0.001			< 0.001	
QT 067 -16Gas		< 0.001			0.004			0.002			0.02	
QT 068 -17	< 0.001	< 0.001	< 0.001	0.001	0.001	0.004	0.001	0.001	0.003	0.01	0.01	0.06
QT 069 -18Gas		< 0.001			0.01			0.01			0.01	
QT 070 -2		< 0.001			0.003			0.002			0.05	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	1,3-Butadiene			Ammonia			Benzene			Cumene			Ethyl benzene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 071 -4								< 0.001			< 0.001			< 0.001	
QT 073 -6								0.04						0.01	
QT 074 -7MD								0.04			< 0.001			0.01	
QT 075 -8								0.04						0.01	
QT 077 I-V-Absorber															
QT 079)0															
QT 081 V-306							0.003		0.01				< 0.001		0.001
QT 088 0-4								0.002						0.001	
QT 089 0-5								0.002						0.001	
QT 090 0-6								0.002						0.001	
QT 091 0-7								0.002						0.001	
QT 095 ND							0.02	0.31	0.08	0.001	0.03	0.01	0.01	0.22	0.05
JG 001 gilives	0.01		0.04				1.12		4.89	0.01		0.04	0.24		1.06
RP 004 AP-CRUDE							0.01		0.04	< 0.001		< 0.001	0.001		0.003
RP 005 AP-GASOLINE							0.08		0.34				0.005		0.02
RP 007 AP-HEAVY OIL							< 0.001		< 0.001	< 0.001		< 0.001	< 0.001		< 0.001
RP 008 AP-MID							0.13		0.55				0.05		0.21
RP 009 AP-NAPHTHA							0.01		0.03	< 0.001		< 0.001	< 0.001		0.002

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	Formaldehyde			Hydrochloric acid			Hydrogen sulfide			Methyl Tertiary Butyl Ether			Naphthalene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 071 -4														0.002	
QT 073 -6														< 0.001	
QT 074 -7MD														0.002	
QT 075 -8														< 0.001	
QT 077 I-V-Absorber							3.96	3.96	1.90						
QT 079)0								1.00							
QT 081 V-306										0.05		0.22			
QT 088 0-4														< 0.001	
QT 089 0-5														< 0.001	
QT 090 0-6														< 0.001	
QT 091 0-7														< 0.001	
QT 095 RND													0.04	0.61	0.15
JG 001 gitives							0.03		0.12	0.15		0.66	0.07		0.32
RP 004 AP-CRUDE													< 0.001		< 0.001
RP 005 AP-GASOLINE										1.13		4.93			
RP 007 AP-HEAVY OIL													0.003		0.02
RP 008 AP-MID													0.001		0.006
RP 009 AP-NAPHTHA													< 0.001		< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

	Polynuclear Aromatic Hydrocar bons			Toluene			Xylene (mixed isomers)			n-Hexane		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
QT 071 -4		0.005			< 0.001			< 0.001			< 0.001	
QT 073 -6		< 0.001			0.06			0.10			0.07	
QT 074 -7MD		0.005			0.06			0.10			0.10	
QT 075 -8		< 0.001			0.06			0.09			0.07	
QT 077 I-V-Absorber												
QT 079)0												
QT 081 V-306				0.003		0.01	0.001		0.01	0.003		0.01
QT 088 0-4		< 0.001			0.004			0.006			0.005	
QT 089 0-5		< 0.001			0.004			0.006			0.005	
QT 090 0-6		< 0.001			0.004			0.006			0.005	
QT 091 0-7		< 0.001			0.004			0.006			0.005	
QT 095 :ND	0.002	0.04	0.01	0.11	1.94	0.49		1.30		0.02	0.28	0.07
JG 001 gitives	0.001		0.003	1.09		4.77	1.24		5.43	0.47		2.08
RP 004 \P-CRUDE	< 0.001		< 0.001	0.006		0.03	0.003		0.01	0.04		0.17
RP 005 \P-GASOLINE				0.07		0.33	0.03		0.14	0.08		0.34
RP 007 \P-HEAVY OIL	0.01		0.04	< 0.001		0.001	0.001		0.002	< 0.001		< 0.001
RP 008 \P-MID	< 0.001		0.002	0.22		0.98	0.31		1.38	0.26		1.14
RP 009 \P-NAPHTHA	< 0.001		< 0.001	0.005		0.02	0.003		0.01	0.06		0.28

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

	1,3-Butadiene			Ammonia			Benzene			Cumene			Ethyl benzene		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RP 010 \P-SLOP OIL							0.01		0.05				0.01		0.03
RP 011 \P-SRUs															
RP 016				**10.42**	**11.91**	**45.64**									
RP 018							**0.15**	**0.15**	**0.67**						
RP 020							**0.23**	**0.23**	**1.01**						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

phases

	Formaldehyde			Hydrochloric acid			Hydrogen sulfide			Methyl Tertiary Butyl Ether			Naphthalene		
ıbject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RP 010 P-SLOP OIL															
RP 011 P-SRUs							1.00		4.20						
RP 016															
RP 018	0.31	0.31	1.34												
RP 020	0.46	0.46	2.02												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

l phases

	Polynuclear Aromatic Hydrocar bons			Toluene			Xylene (mixed isomers)			n-Hexane		
ubject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RP 010 ıP-SLOP OIL				0.03		0.15	0.05		0.22	0.10		0.44
RP 011 ıP-SRUs												
RP 016												
RP 018				**0.08**	**0.08**	**0.33**						
RP 020				**0.12**	**0.12**	**0.51**						

te: Emission rates in bold are from alternate scenarios and are not included in permitted totals

rmit Parameter Totals:

-Butadiene: 0.04 tons/yr
monia: 45.64 tons/yr
ızene: 8.22 tons/yr
nene: 0.06 tons/yr
ıyl benzene: 1.47 tons/yr
maldehyde: 2.91 tons/yr
drochloric acid: 0.03 tons/yr
drogen sulfide: 6.22 tons/yr
thyl Tertiary Butyl Ether: 10.43 tons/yr
lexane: 7.90 tons/yr
phthalene: 0.52 tons/yr
ynuclear Aromatic Hydrocarbons: 0.11 tons/yr
uene: 8.24 tons/yr
ene (mixed isomers): 8.09 tons/yr

nission Rates Notes:

:P 016	Ammonia	Tons/Year	Emission Point 2-77 - Shall comply with these emissions for all criteria pollutants in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
:P 018	Benzene	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
:P 018	Benzene	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

I phases

P 018	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year		
P 018	Benzene	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Formaldehyde	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Formaldehyde	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Formaldehyde	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Toluene	Avg lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Toluene	Max lb/hr	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 018	Toluene	Tons/Year	Emission Point 20-72 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Benzene	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Benzene	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Benzene	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Formaldehyde	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Formaldehyde	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Formaldehyde	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Toluene	Avg lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Toluene	Max lb/hr	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year
P 020	Toluene	Tons/Year	Emission Point 3-77 - Shall comply with these emissions in the interim period during the construction of "Clean Fuels" Phase II Project Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 1238 - Murphy Oil USA Inc - Meraux Refinery
Activity Number: PER20050006
Permit Number: 2500-00001-V2
Air - Title V Regular Permit Renewal

38

1 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

2 Equipment/operational data <= 4400 horsepower and a total of 10,000 hours. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total horse power, number of generators, and the total emissions exceed the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

3 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total horsepower-hours each month, as well as the total horsepower-hours for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

4 Submit report: Due annually, by the 31st of March. Report the utilization in horsepower, the number of hours of operation, and the total emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

009 1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters

5 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

6 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

7 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

8 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

9 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

10 *Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]*
Which Months: All Year Statistical Basis: Three-hour rolling average

11 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

12 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

009 1-00, Hydrocracker/Hydrotreater/Fractionator Charge Heaters

13 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

14 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

15 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

010 1-06, Boiler TB-01

16 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

17 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

18 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

19 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

20 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

21 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

22 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. *Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.* Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

23 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

24 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

25 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

26 Determine compliance with the NOx standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

27 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: Hourly average

010 1-06, Boiler TB-01

28 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]

29 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]

30 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]

31 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]

32 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

33 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]

34 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]

35 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Subpart Db. [40 CFR 60.49b(d)]

36 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency, except as provided in 40 CFR 60.49b(p). Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]

37 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]

38 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]

39 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

40 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

41 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified

42 Apply to DEQ for approval of alternative monitoring under 40 CFR 63.8(f). Subpart DDDDD. [40 CFR 63.7500(a)(2)]

43 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

44 Operate and maintain according to the provisions in 40 CFR 63.6(e)(1)(i) at all times. Subpart DDDDD. [40 CFR 63.7505(b)]

45 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

46 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

47 Develop a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

48 Demonstrate initial compliance with any applicable emission limit no later than 180 days after the compliance date specified in 40 CFR 63.7495 and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in 40 CFR 63 Subpart DDDDD Table 10. Subpart DDDDD. [40 CFR 63.7510(d)]

010 1-06, Boiler TB-01

49 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
Which Months: All Year Statistical Basis: None specified

50 Monitor and collect data according to 40 CFR 63.7535 and the site-specific monitoring plan required by 40 CFR 63.7505(d). Subpart DDDDD. [40 CFR 63.7535(a)]

51 Demonstrate continuous compliance with each applicable emission limit, operating limit, and work practice standard in 40 CFR 63 Subpart DDDDD Tables 1 through 4 according to the methods specified in 40 CFR 63 Subpart DDDDD Table 8 and 40 CFR 63.7540(a)(1) through (a)(10). Subpart DDDDD. [40 CFR 63.7540(a)]

52 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

53 Submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as specified in 40 CFR 63.7545(b) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7545(a)]

54 Submit Report: Due if there is a startup, shutdown or malfunction during the reporting period that is not consistent with the startup, shutdown and malfunction plan, and any applicable emission limitation in the relevant emission standard is exceeded. Submit startup, shutdown and malfunction report within 2 working days by fax or telephone after starting actions inconsistent with the startup, shutdown or malfunction plan; and within 7 working days by letter after the end of the event unless alternate arrangements have been made with DEQ. Include actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart DDDDD. [40 CFR 63.7550(a)]

55 Submit Notification: Due within 48 hours of the declaration of a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, if intending to use a fuel other than natural gas or equivalent. Submit the information specified in 40 CFR 63.7550(g)(1) through (g)(5). Subpart DDDDD. [40 CFR 63.7550(g)]

56 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

57 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

58 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

59 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

011 1-07, Boiler B-7

60 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

61 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

62 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

63 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

64 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]

[011 1-07, Boiler B-7

65 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

66 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

67 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

68 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

69 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

70 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

71 Determine compliance with the NOx standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

72 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: Hourly average

73 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]

74 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]

75 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]

76 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]

77 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

78 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]

79 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]

011 1-07, Boiler B-7

80 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency, except as provided in 40 CFR 60.49b(p). Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]

81 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]

82 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]

83 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

84 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

85 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified

86 Apply to DEQ for approval of alternative monitoring under 40 CFR 63.8(f). Subpart DDDDD. [40 CFR 63.7500(a)(2)]

87 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

88 Operate and maintain according to the provisions in 40 CFR 63.6(e)(1)(i) at all times. Subpart DDDDD. [40 CFR 63.7505(b)]

89 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

90 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

91 Develop a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

92 Demonstrate initial compliance with any applicable emission limit no later than 180 days after the compliance date specified in 40 CFR 63.7495 and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in 40 CFR 63 Subpart DDDDD Table 10. Subpart DDDDD. [40 CFR 63.7510(d)]

93 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
Which Months: All Year Statistical Basis: None specified

94 Monitor and collect data according to 40 CFR 63.7535 and the site-specific monitoring plan required by 40 CFR 63.7505(d). Subpart DDDDD. [40 CFR 63.7535(a)]

95 Demonstrate continuous compliance with each applicable emission limit, operating limit, and work practice standard in 40 CFR 63 Subpart DDDDD Tables 1 through 4 according to the methods specified in 40 CFR 63 Subpart DDDDD Table 8 and 40 CFR 63.7540(a)(1) through (a)(10). Subpart DDDDD. [40 CFR 63.7540(a)]

96 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

97 Submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as specified in 40 CFR 63.7545(b) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7545(a)]

98 Submit Report: Due if there is a startup, shutdown or malfunction during the reporting period that is not consistent with the startup, shutdown and malfunction plan, and any applicable emission limitation in the relevant emission standard is exceeded. Submit startup, shutdown and malfunction report within 2 working days by fax or telephone after starting actions inconsistent with the startup, shutdown or malfunction plan; and within 7 working days by letter after the end of the event unless alternate arrangements have been made with DEQ. Include actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart DDDDD. [40 CFR 63.7550(a)]

99 Submit Notification: Due within 48 hours of the declaration of a period of natural gas curtailment or supply interruption, as defined in 40 CFR 63.7575, if intending to use a fuel other than natural gas or equivalent. Submit the information specified in 40 CFR 63.7550(g)(1) through (g)(5). Subpart DDDDD. [40 CFR 63.7550(g)]

011 1-07, Boiler B-7

00 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

01 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

02 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

03 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

012 1-3, Slop Oil Tank (FR)

04 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

05 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of NSPS, 40 CFR 60.110a - 115a and LAC 33:III.5107 and 5109.A. [40 CFR 60.110a-115a, LAC 33:III.5107, 5109]

06 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

013 1-76, East and West Vacuum Heaters

07 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

08 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

09 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

10 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

11 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

12 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

013 1-76, East and West Vacuum Heaters

13 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

14 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

15 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

16 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

17 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

014 1-80, ROSE Heater

18 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

19 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

20 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

21 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

22 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

23 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

24 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

25 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

26 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

27 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

014 1-80, ROSE Heater

28 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

015 1-88F, Compressor-101B

29 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

30 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

31 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

32 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

017 1-88H, Compressor-203

33 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

34 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

35 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

36 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

018 1-92, Marine Vapor Recovery Flare

37 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

38 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

39 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e, as applicable. [LAC 33:III.2108.F.2]

40 Loading gasoline into ships or barges is prohibited unless all loading and vapor lines, arms and hoses are equipped with fittings which make vapor-tight connections and provide tight shut-off when disconnected. [LAC 33:III.2108.G.1]

018 1-92, Marine Vapor Recovery Flare

141 Prevent spills or leaks during attachment or disconnection of filling lines, hoses or arms. Do not spill liquids or handle in any other manner that would result in evaporation to the atmosphere. [LAC 33:III.2108.G.2]

142 Maintain all equipment associated with the loading of gasoline into ships or barges to be leak-free, gas-tight and in good working order. [LAC 33:III.2108.G.3]

143 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC - HAPs from Refineries is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and LAC 33:III.5109.A. [LAC 33:III.5107, 5109]

144 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

145 Operate at all times when emissions may be vented to the flare. The flare is equipped with an interlock device that prevents emissions to the flare in the event that the pilot goes out. See letter from EPA to Murphy dated August 6, 1999. Subpart A. [40 CFR 63.11(b)(3)]

146 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

147 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

148 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

149 Exit Velocity < 16.64 m/s (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8) and the heating value as determined by 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(8)]
Which Months: All Year Statistical Basis: None specified

150 VOC, Total >= 98 % reduction by weight from marine tank vessel loading operations, as determined using methods in 40 CFR 63.565(d) and (l). Subpart Y. [40 CFR 63.562(c)(3)]
Which Months: All Year Statistical Basis: None specified

151 Operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown, and malfunction. Subpart Y. [40 CFR 63.562(e)]

152 Determine compliance with the emissions limits under 40 CFR 63.562(b)(1), (c)(2), and (d)(1) using the procedures specified in 40 CFR 63.563(a)(1) through (a)(4). Subpart Y. [40 CFR 63.563(a)]

153 Determine compliance with the emission limits under 40 CFR 63.562(b), (c), and (d) using the procedures specified in 40 CFR 63.563(b)(1) through (b)(10). Subpart Y. [40 CFR 63.563(b)]

154 Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 annually (calendar). Monitor all ductwork and piping and connections to vapor collection systems and control devices. Subpart Y. [40 CFR 63.563(c)(1)]
Which Months: All Year Statistical Basis: None specified

155 Presence of a leak monitored by technically sound method once evidence of a potential leak is found by visual, audible, olfactory, or any other detection method. Monitor all ductwork and piping and connections to vapor collection systems and control devices to the extent necessary to positively identify the potential leak and monitor any potential leak within 5 days by Method 21. Tag the leak until repaired. Subpart Y. [40 CFR 63.563(c)(2)]
Which Months: All Year Statistical Basis: None specified

156 When a leak is detected, make a first effort to repair the vapor collection system and control device within 15 days or prior to the next marine tank vessel loading operation, whichever is later. Subpart Y. [40 CFR 63.563(c)(3)]

157 Determine compliance with 40 CFR 63 Subpart Y using the test methods and procedures specified in 40 CFR 63.565(a) through (m), as applicable. Subpart Y. [40 CFR 63.565(a)]

018 1-92, Marine Vapor Recovery Flare

58 Report the opacity results and other information required by 40 CFR 63.565(e) and 40 CFR 63.11 with the notification of compliance status. Subpart Y. [40 CFR 63.567(d)]

59 Submit with the initial performance test and maintain in an accessible location on site an engineering report describing in detail the vent system, or vapor collection system, used to vent each stream to a control device. Include all valves and vent pipes that could vent the stream to the atmosphere, thereby bypassing the control device, and identify which valves are car-sealed opened and which valves are car-sealed closed. Subpart Y. [40 CFR 63.567(f)]

60 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

61 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)(6)]

019 1-93, SRU No. 2 Incinerator

62 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

63 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

64 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days of an upset which has caused excess emissions, and if on-line operating changes will eliminate a temporary condition. Submit report if requesting exemption from the emission limitations of LAC 33:III.1503.A. Explain the conditions and duration of the upset and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1507.B.1]

65 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
Which Months: All Year Statistical Basis: None specified

66 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

67 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

68 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]

69 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide emissions shall be demonstrated by the existing sulfur dioxide monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

70 Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i)]
Which Months: All Year Statistical Basis: None specified

019 1-93, SRU No. 2 Incinerator

71 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Subpart J. [40 CFR 60.105(a)(5)(i), 40 CFR 60.105(a)(5)(ii)]
Which Months: All Year Statistical Basis: None specified

72 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(5)]
Which Months: All Year Statistical Basis: None specified

73 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

74 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

75 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU - NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. Subpart UUU. [40 CFR 63.1560]

76 Compliance with NSPS, 40 CFR 60, Subpart J is considered compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU and LAC 33:III.Chapter 15. [40 CFR 63.1560, LAC 33:III.1509]

77 Sulfur dioxide <= 250 ppmv (dry basis) at 0% excess air. Subpart UUU. [40 CFR 63.1568(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

78 Demonstrate initial compliance with each applicable emission limitation according to 40 CFR 63 Subpart UUU Table 33. Subpart UUU. [40 CFR 63.1568(b)(5)]

79 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]

020 1-94, API Separator Flare

80 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

81 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]

82 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

83 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

84 Compliance with all the applicable requirements of NSPS, 40 CFR 60.18 is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and LAC 33:III.5109.A. [LAC 33:III.5107, 5109]

85 Wastewater: Compliance with all the applicable requirements of NESHAP, 40 CFR 61.342(e) is deemed as compliance with 40 CFR 63, Subpart CC - HAPs from Refineries. No monitoring surrounding the API Separator is required as the benzene concentration is less than 10 ppmv. Subpart CC. [40 CFR 63.647, 40 CFR 63.653-654]

86 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

021 1-97, Oily Water Stripper Feed Tank

87 Equipped with carbon canisters to control emissions and having an efficiency equal to or greater than 95 percent. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]

88 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

89 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]

90 Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]

91 Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]

92 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: None specified

93 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

94 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

95 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B). Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

96 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]

97 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

98 Total Organic Compounds (TOC) >= 95 % recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

99 Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]

100 Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]

101 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
Which Months: All Year Statistical Basis: None specified

102 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]

103 Replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system. Subpart FF. [40 CFR 61.354(d)]

'021 1-97, Oily Water Stripper Feed Tank

!04 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

!05 Wastewater: Compliance with all the applicable requirements of NESHAP, 40 CFR 61.342(e) is deemed as compliance with all the applicable requirements of 40 CFR 63, Subpart CC - HAPs from Refineries and LAC 33:III.5107, and LAC 33:III.5109.A. No monitoring surrounding the API Separator is required as the benzene concentration is less than 10 ppmv. Subpart CC. [40 CFR 63.647, LAC 33:III.5107, 5109]

'022 12-72A, No. 1 Crude Heater

!06 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

!07 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

!08 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

!09 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

!10 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

!11 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

'023 14-72, Hydrobon Charge Heater

!12 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

!13 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

!14 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

'023 14-72, Hydrobon Charge Heater

!15 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

!16 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

!17 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

!18 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

!19 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

!20 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

!21 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

!22 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

'024 15-72, Hydrobon Debut Reboiler

!23 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

!24 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

!25 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

!26 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

!27 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

'025 150-1, Middle Distillates Tank (FR)

!28 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

'025 150-1, Middle Distillates Tank (FR)

'29 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

'026 150-2, Wastewater Tank (FR)

'30 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

'31 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

'32 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

'027 16-72, Hydrobon Depent Reboiler

'33 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

'34 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

'35 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

'36 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

'37 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

'38 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

'028 17-72a,b,c, Platformer Charge Heater

'39 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

'40 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

028 17-72a,b,c, Platformer Charge Heater

!41 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

!42 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

!43 The North Flare, Emission Point 20-72, is used as a dual control device with the Platformer Charge Heater for the Platformer Regenerator Vent Stream. the South Flare, Emission Point 3-77, as a backup control device. [LAC 33:III.501.C.6]

!44 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

!45 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

!46 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

!47 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

!48 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

!49 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

!50 Emissions (organic vent streams) from the Catalytic Reforming Units that generate catalyst are routed to this Platformer Charge Heater and the North Flare for control with the South Flare being the backup control device. [40 CFR 63.11, 40 CFR 63.1560]

!51 Total Organic Compounds (TOC) >= 98 % reduction by weight, or TOC <= 20 ppmv (dry basis as hexane), corrected to 3% oxygen, whichever is less stringent. Subpart UUU. [40 CFR 63.1566(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

!52 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 15 and 16 according to the methods specified in 40 CFR 63 Subpart UUU Tables 20 and 21. Subpart UUU. [40 CFR 63.1566(c)(1)]

!53 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1566(a)(5) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1566(c)(2)]

!54 Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]

!55 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]

!56 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]

028 17-72a,b,c, Platformer Charge Heater

:57 Operate in accordance with the SSMP during periods of startup, shutdown, and malfunction. Subpart UUU. [40 CFR 63.1570(e)]

:58 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]

:59 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]

:60 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]

:61 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii), as applicable. Subpart UUU. [40 CFR 63.1574(f)]

:62 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]

:63 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f) as applicable. Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]

:64 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

029 19-72, Platformer Debut Reboiler

:65 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

:66 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

:67 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

:68 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

029 19-72, Platformer Debut Reboiler

269 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

270 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

030 2-00, Boiler B-5

271 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

272 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

273 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

274 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

275 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

276 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

277 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

278 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

030 2-00, Boiler B-5

79 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

80 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

81 Nitrogen oxides <= 0.20 lb/MMBTU (43 ng/J) heat input (expressed as NO2), as provided in 40 CFR 60.44b(l)(1). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b]
Which Months: All Year Statistical Basis: Thirty-day rolling average

82 Determine compliance with the NOx standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

83 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: Hourly average

84 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]

85 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]

86 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]

87 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]

88 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

89 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]

90 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]

91 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency, except as provided in 40 CFR 60.49b(p). Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]

92 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]

93 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]

94 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

95 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

032 2-77, No. 2 FCC Stack

96 Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. [LAC 33:III.1311.D]
Which Months: All Year Statistical Basis: Six-minute average

'032 2-77, No. 2 FCC Stack

297 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

298 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

299 Conduct a performance/emissions test: Due within 180 days after revamp of the No. 2 FCC. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

300 Emits Class III toxic air pollutants. No MACT is required. [LAC 33:III.5109.A]

301 Total suspended particulate <= 1 kg/Mg (2.0 lb/ton) of coke burn-off, except as specified in 40 CFR 60.102(b). Subpart J. [40 CFR 60.102(a)(1)]
Which Months: All Year Statistical Basis: None specified

302 Opacity <= 30 percent, except for one six-minute average opacity reading in any one hour period. Subpart J. [40 CFR 60.102(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average

303 Carbon monoxide <= 500 ppmv (dry basis). Subpart J. [40 CFR 60.103(a)]
Which Months: All Year Statistical Basis: None specified

304 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart J. [40 CFR 60.105(a)(1)]
Which Months: All Year Statistical Basis: None specified

305 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.105(a)(2)(ii). Subpart J. [40 CFR 60.105(a)(2)]
Which Months: All Year Statistical Basis: None specified

306 Rc & operating hours recordkeeping by electronic or hard copy daily. Record the average coke burn-off rate (Mg (tons) per hour) and hours of operation. Where Rc is Coke burn-off rate. Subpart J. [40 CFR 60.105(c)]

307 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

308 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

309 Submit Notification: Due with the notification of initial startup required by 40 CFR 60.7(a)(3). Notify DEQ of the specific provisions of 40 CFR 60.104(b) with which seeking to comply. Subpart J. [40 CFR 60.107(a)]

310 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.107(b)(1) through (b)(4), as applicable. Subpart J. [40 CFR 60.107(b)]

311 Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.107(d). Include the information specified in 40 CFR 60.107(c)(1) through (c)(6). Subpart J. [40 CFR 60.107(c)]

312 After conducting the initial performance test prescribed under 40 CFR 60.8, conduct a performance test for each successive 24-hour period thereafter, according to the appropriate procedures specified under 40 CFR 60.106. Subpart J. [40 CFR 60.108(d)]

313 Particulate matter (10 microns or less) <= 1 lb /1000 lb of coke burned (1 kg/1000 kg) in the catalyst regenerator. Subpart UUU. [40 CFR 63.1564(a)(1)]
Which Months: All Year Statistical Basis: None specified

032 2-77, No. 2 FCC Stack

14 Opacity <= 30 percent, except for one 6-minute average opacity reading in any 1-hour period. Subpart UUU. [40 CFR 63.1564(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average

15 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart UUU. [40 CFR 63.1564(b)(1)]
Which Months: All Year Statistical Basis: Six-minute average

16 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 1 and 2 according to the methods specified in 40 CFR 63 Subpart UUU Tables 6 and 7, and in 40 CFR 63.1564(c)(3) and (c)(4), as applicable. Subpart UUU. [40 CFR 63.1564(c)(1)]

17 Carbon monoxide <= 500 ppmv (dry basis). Subpart UUU. [40 CFR 63.1565(a)(1)]
Which Months: All Year Statistical Basis: None specified

18 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as specified in 40 CFR 63.1565(b)(1)(i) through (b)(1)(iii). Subpart UUU. [40 CFR 63.1565(b)(1)]
Which Months: All Year Statistical Basis: None specified

19 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 8 and 9 according to the methods specified in 40 CFR 63 Subpart UUU Tables 13 and 14. Subpart UUU. [40 CFR 63.1565(c)(1)]

033 2-92, MDH Product Fractionator Heater and Charge Heater

20 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

21 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

22 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

23 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

24 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

25 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

26 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

033 2-92, MDH Product Fractionator Heater and Charge Heater

327 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

328 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

329 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

330 Temperature monitored by temperature monitoring device continuously. Vent streams introduced into the flame zone of the heater are exempt from monitoring. Subpart CC. [40 CFR 63.644(a)(3)]
Which Months: All Year Statistical Basis: None specified

331 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

034 2-97, Oily Water Stripper Feed Tank

332 Equipped with carbon canisters to control emissions and having an efficiency equal to or greater than 95 percent. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]

333 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

334 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]

335 Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]

336 Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]

337 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: None specified

338 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

339 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

340 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]

341 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

342 Total Organic Compounds (TOC) >= 95 % recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

343 Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]

344 Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]

345 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
Which Months: All Year Statistical Basis: None specified

034 2-97, Oily Water Stripper Feed Tank

346 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]

347 Replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system. Subpart FF. [40 CFR 61.354(d)]

348 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

349 Wastewater: Compliance with all the applicable requirements of NESHAP, 40 CFR 61.342(e) is deemed as compliance with all the applicable requirements of 40 CFR 63, Subpart CC - HAPs from Refineries and LAC 33:III.5107, and LAC 33:III.5109.A. No monitoring surrounding the API Separator is required as the benzene concentration is less than 10 ppmv. Subpart CC. [40 CFR 63.647, LAC 33:III.5107, 5109]

035 20-72, North Flare Stack

350 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

351 *Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]*

352 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

353 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

354 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

355 Compliance with the requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2115. [LAC 33:III.2115]

356 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

357 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

358 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

359 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

035 20-72, North Flare Stack

60 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

61 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified

62 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

63 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

64 Comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]

65 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
Which Months: All Year Statistical Basis: None specified

66 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]

67 Presence of a flame monitored by the regulation's specified method(s) continuously as specified in 40 CFR 60.18(f)(2). Subpart FF. [40 CFR 61.354(c)(3)]
Which Months: All Year Statistical Basis: None specified

68 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

69 Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]
Which Months: All Year Statistical Basis: None specified

70 Pressure monitored by pressure instrument continuously to ensure that the pressure is less than atmospheric pressure. Subpart FF. [40 CFR 61.354(g)]
Which Months: All Year Statistical Basis: None specified

71 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

72 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

73 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

74 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

75 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

76 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

77 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

035 20-72, North Flare Stack

78 Exit Velocity < 18.30 m/s (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8) and the heating value as determined by 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(8)]
Which Months: All Year Statistical Basis: None specified

79 Emissions (organic vent streams) from the Catalytic Reforming Units that generate catalyst are routed to the Platformer Charge Heater and the North Flare for control with the South Flare being the backup control device. [40 CFR 63.1560]

80 Meet the requirements for control devices in 40 CFR 63.11(b). Subpart UUU. [40 CFR 63.1566(a)(1)(i)]

81 Ensure that the pilot light is present at all times, and operate the flare at all times that emissions may be vented to it. Subpart UUU. [40 CFR 63.1566(a)(2)]

82 Presence of a flame monitored by the regulation's specified method(s) continuously. Monitor using a device such as a thermocouple, ultraviolet beam sensor, or infrared sensor. Subpart UUU. [40 CFR 63.1566(b)(1)]
Which Months: All Year Statistical Basis: None specified

83 Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 18. Subpart UUU. [40 CFR 63.1566(b)(2)]

84 Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 16 according to the procedures in 40 CFR 63 Subpart UUU Table 18. Subpart UUU. [40 CFR 63.1566(b)(3)]

85 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 15 and 16 according to the methods specified in 40 CFR 63 Subpart UUU Tables 20 and 21. Subpart UUU. [40 CFR 63.1566(c)(1)]

86 Bypass lines: Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]

87 Bypass lines: Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]

88 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]

89 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]

90 Compliance with all the applicable requirements of NESHAP, 40 CFR 63.11 is deemed as compliance with all the applicable requirements of 40 CFR 63, Subpart CC - HAPs from Refineries; LAC 33:III.5107and LAC 33:III.5109.A. [40 CFR 63.644(a)(2), LAC 33:III.5107, 5109]

036 200-1, Gasoline Tank (EFR)

91 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

92 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

93 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

94 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

95 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

96 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

036 200-1, Gasoline Tank (EFR)

397 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

398 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

399 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

400 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

401 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

402 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

403 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

404 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

405 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

406 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

407 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

408 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

409 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

410 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

411 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

412 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

413 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

036 200-1, Gasoline Tank (EFR)

114 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

115 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

116 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

117 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

118 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

119 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

120 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

121 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

122 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

123 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

124 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]

125 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

126 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

127 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

128 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

129 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

130 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

131 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

'036 200-1, Gasoline Tank (EFR)

132 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

'037 200-2, Gasoline Tank (EFR)

133 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

134 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

135 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

136 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

137 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

138 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

139 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

140 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

141 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

142 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

143 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

144 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

145 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

146 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

147 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

148 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

149 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

037 200-2, Gasoline Tank (EFR)

150 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

151 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

152 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

153 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

154 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

155 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

156 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

157 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

158 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

159 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

160 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

161 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

162 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

163 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

164 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

165 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

037 200-2, Gasoline Tank (EFR)

·66 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]

·67 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

·68 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

·69 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

170 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

171 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

172 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

173 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

174 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

038 200-3, Gasoline Tank (EFR)

175 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

176 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

177 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

178 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

179 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

180 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

181 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

182 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

183 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

184 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

038 200-3, Gasoline Tank (EFR)

485 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

486 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

487 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

488 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

489 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

490 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

491 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

492 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

493 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

494 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

495 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

496 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

497 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

498 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

499 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

500 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

038 200-3, Gasoline Tank (EFR)

01 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

02 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

03 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

04 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

05 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

06 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

07 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

08 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]

09 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

10 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

11 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

12 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

13 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

14 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

15 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

16 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

039 200-4, Crude Oil Tank (EFR)

17 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

18 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

19 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

039 200-4, Crude Oil Tank (EFR)

520 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

521 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

522 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

523 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

524 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

525 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

526 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

527 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

528 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

529 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

530 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

531 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

532 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

533 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

534 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

535 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

536 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

039 200-4, Crude Oil Tank (EFR)

537 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

538 *Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according* to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

539 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

540 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

541 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

542 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

543 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

544 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

545 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

546 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

547 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

548 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

549 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

550 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]

551 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

552 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

553 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

554 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

039 200-4, Crude Oil Tank (EFR)

55 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

56 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

57 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

58 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

040 200-5SW, Sour Water Tank (EFR)

59 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

60 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

61 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

62 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

63 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

64 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

65 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

66 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

67 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

68 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

69 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

70 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

71 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

040 200-5SW, Sour Water Tank (EFR)

572 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

573 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

574 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

575 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

576 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

577 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

578 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]

579 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

580 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]

581 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]

582 Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
Which Months: All Year Statistical Basis: None specified

583 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]

584 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]

585 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed 212 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

586 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed 21.2 cm^2/m of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]

587 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]

588 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]

589 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

040 200-5SW, Sour Water Tank (EFR)

590 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]

591 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]

592 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]

593 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

594 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

595 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

596 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

597 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

598 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

599 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

600 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

041 200-6, Middle Distillates Tank (FR)

601 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

602 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

042 200-7, Heavy Oil Tank (FR)

603 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

604 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

043 21-72, Platformer Regenerator Vent Gas

605 Emits Class III toxic air pollutants. No MACT is required. [LAC 33:III.5109.A]

606 Emissions (inorganic vent streams) from the Catalytic Reforming Units that generate catalyst are routed to this Platformer Regenerator for control. [40 CFR 63.1560]

607 Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]

'043 21-72, Platformer Regenerator Vent Gas

508 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]

509 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]

510 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]

511 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]

512 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]

513 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]

514 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]

515 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]

'044 25-2, Sour Water Tank (IFR)

516 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

517 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [LAC 33:III.2103.C.1.a]

518 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

519 Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [LAC 33:III.2103.C.1.c]

520 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

521 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

522 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

523 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

044 25-2, Sour Water Tank (IFR)

524 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

525 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

526 Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

527 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the *floating roof continuously around the circumference of the tank.* Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

528 Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

529 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
Which Months: All Year Statistical Basis: None specified

530 Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
Which Months: All Year Statistical Basis: None specified

531 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

532 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
Which Months: All Year Statistical Basis: None specified

Γ044 25-2, Sour Water Tank (IFR)

633 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

634 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

635 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

636 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

637 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

638 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

639 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

640 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

641 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

642 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

Γ048 3-00, Boiler B-6

643 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

'048 3-00, Boiler B-6

544 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

545 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

546 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

547 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Sulfur dioxide and hydrogen sulfide emissions shall demonstrated by the existing hydrogen sulfide fuel gas monitoring system as per 40 CFR 60, Subpart J. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

548 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

549 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

550 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

551 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

552 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

553 Nitrogen oxides <= 0.20 lb/MMBTU (43 ng/J) heat input (expressed as NO2), as provided in 40 CFR 60.44b(l)(1). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b]
Which Months: All Year Statistical Basis: Thirty-day rolling average

554 Determine compliance with the NOx standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

555 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: Hourly average

556 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]

557 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]

558 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]

048 3-00, Boiler B-6

559 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]

560 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

561 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]

562 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]

563 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency, except as provided in 40 CFR 60.49b(p). Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]

564 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]

565 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]

566 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

567 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

049 3-77, South Flare Stack

568 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified

569 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]

570 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

571 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

572 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

573 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

574 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

049 3-77, South Flare Stack

575 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

576 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

577 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

578 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
Which Months: All Year Statistical Basis: None specified

579 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

580 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

581 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

582 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

583 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
Which Months: All Year Statistical Basis: None specified

584 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
Which Months: All Year Statistical Basis: None specified

585 Exit Velocity < 18.30 m/s (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8) and the heating value as determined by 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(8)]
Which Months: All Year Statistical Basis: None specified

586 Emissions (organic vent streams) from the Platformer Regenerator are routed to this flare as a back up control device. [40 CFR 63.11, 40 CFR 63.1560]

587 Emissions (organic vent streams) from the Catalytic Reforming Units that generate catalyst are routed to this Platformer Charge Heater and the North Flare for control with the South Flare being the backup control device. [40 CFR 63.1560]

588 Meet the requirements for control devices in 40 CFR 63.11(b). Subpart UUU. [40 CFR 63.1566(a)(1)(i)]

589 Ensure that the pilot light is present at all times, and operate the flare at all times that emissions may be vented to it. Subpart UUU. [40 CFR 63.1566(a)(2)]

590 Presence of a flame monitored by the regulation's specified method(s) continuously. Monitor using a device such as a thermocouple, ultraviolet beam sensor, or infrared sensor. Subpart UUU. [40 CFR 63.1566(b)(1)]
Which Months: All Year Statistical Basis: None specified

591 Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 18. Subpart UUU. [40 CFR 63.1566(b)(2)]

592 Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 16 according to the procedures in 40 CFR 63 Subpart UUU Table 18. Subpart UUU. [40 CFR 63.1566(b)(3)]

593 Determine initial compliance with emission limitations using the procedures in 40 CFR 63.1566(b)(6). Subpart UUU. [40 CFR 63.1566(b)]

594 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 15 and 16 according to the methods specified in 40 CFR 63 Subpart UUU Tables 20 and 21. Subpart UUU. [40 CFR 63.1566(c)(1)]

[049 3-77, South Flare Stack

595 Bypass lines: Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]

596 Bypass lines: Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]

697 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]

698 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]

699 Compliance with all the applicable requirements of NESHAP, 40 CFR 63.11 is deemed as compliance with all the applicable requirements of 40 CFR 63, Subpart CC - HAPs from Refineries; LAC 33:III.5107, LAC 33:III.5109.A, and LAC 33:III.2115. [40 CFR 63.644(a)(2), LAC 33:III.5107, 5109, LAC 33:III.2115]

[050 300-1, Crude Oil Tank (EFR)

700 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

701 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

702 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

703 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

704 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

705 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

706 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

707 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

708 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

709 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

710 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

711 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

[050 300-1, Crude Oil Tank (EFR)

712 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

713 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

714 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

715 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

716 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

717 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of NSPS, 40 CFR 60.110a - 115a and LAC 33:III.5107 and 5109.A. [40 CFR 60.110a-115a, LAC 33:III.5107, 5109]

718 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

719 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

720 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

721 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

722 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

723 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

724 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

[051 300-2, Crude Oil Tank (EFR)

725 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

726 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

727 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

728 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

729 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

730 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

731 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

051 300-2, Crude Oil Tank (EFR)

732 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

733 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

734 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

735 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

736 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

737 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

738 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

739 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

740 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

741 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

742 Compliance with the requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [LAC 33:III.5107, LAC 33:III.5109.A]

743 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

744 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

[051 300-2, Crude Oil Tank (EFR)

745 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

746 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

747 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

748 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

749 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

750 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

751 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

752 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

753 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

754 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

755 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

756 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

757 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

758 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

759 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

051 300-2, Crude Oil Tank (EFR)

760 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

761 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

762 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

763 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

764 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

765 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

766 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

767 Available data on the storage temperature may be used to determine true vapor pressure as determined in 40 CFR 60.116b(e)(1) and (e)(2). Subpart Kb. [40 CFR 60.116b(e)]

768 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

052 300-3, Crude Oil Tank (EFR)

769 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

770 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

771 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

772 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

773 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

774 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

775 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

'052 300-3, Crude Oil Tank (EFR)

'76 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

'77 Equipment/operational data recordkeeping by *electronic or hard copy upon occurrence of event. Keep records of conditions that are not* up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

'78 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

'79 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

'80 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

'81 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

'82 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

'83 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

'84 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

'85 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

'86 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of NSPS, 40 CFR 60.110a - 115a and LAC 33:III.5107 and 5109.A. [40 CFR 60.110a-115a, LAC 33:III.5107, 5109]

'87 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

'88 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

'89 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

'90 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

'91 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

'92 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

'93 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

'055 450-1, Crude Oil Tank (EFR)

055 450-1, Crude Oil Tank (EFR)

794 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

795 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

796 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

797 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

798 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

799 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

800 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

801 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

802 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

803 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

804 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

805 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

806 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

807 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

808 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

809 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

810 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

811 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of NSPS, 40 CFR 60.110 - 113 and LAC 33:III.5107 and 5109.A. [40 CFR 60.110-113, LAC 33:III.5107, 5109]

812 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

813 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

055 450-1, Crude Oil Tank (EFR)

314 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

315 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

316 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

317 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

318 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

056 450-2, Crude Oil Tank (EFR)

319 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

320 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

821 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

822 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

823 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

824 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

825 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

826 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

827 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

828 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

829 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

830 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

056 450-2, Crude Oil Tank (EFR)

331 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

332 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

333 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

334 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

335 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

336 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of NSPS, 40 CFR 60.110 - 113 and LAC 33:III.5107 and 5109.A. [40 CFR 60.110-113, LAC 33:III.5107, 5109]

837 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

838 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

839 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

840 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

841 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

842 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

843 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

057 5-3, Slop Oil Tank (IFR)

844 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

845 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

846 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

847 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

848 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

849 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

057 5-3, Slop Oil Tank (IFR)

350 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

351 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

352 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

353 Operate and maintain a closed-vent system and control device meeting the requirements specified in 40 CFR 63.119(e), route the emissions to a process or a fuel gas system as specified in 40 CFR 63.119(f), vapor balance as specified in 40 CFR 63.119(g), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(2)]

354 Internal floating roof: Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(iii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]

355 Internal floating roof: Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]

356 Internal floating roof: Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]

357 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
Which Months: All Year Statistical Basis: None specified

358 Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]

359 If any of the conditions listed in 40 CFR 63.120(a)(7) are found during the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]

360 Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), and (a)(3)(ii). If the inspection required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(ii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(a)]

861 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

862 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

863 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

864 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

865 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

866 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

057 5-3, Slop Oil Tank (IFR)

367 Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]

368 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

058 5-73, DHT Charge Heater

369 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

870 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

871 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

872 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

873 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

059 5-88, River Loading Dock

874 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

875 The products (heavy oil and diesel < 1.5 vapor pressure) loaded at the River Loading Dock are exempt from the MACT and RACT standards as per the rquirements of NESHAP, 40 CFR 63.560(d)(1). Subpart Y. [40 CFR 63.560(d)(1)]

876 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]

060 55-7, Gasoline Tank (EFR)

877 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

878 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

879 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

880 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

881 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

882 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

883 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

060 55-7, Gasoline Tank (EFR)

384 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

385 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

386 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

387 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent; and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

388 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

389 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

390 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

391 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

392 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

393 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

394 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

395 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

396 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

[060 55-7, Gasoline Tank (EFR)

897 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

898 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

899 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

900 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

901 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

902 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

903 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

904 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

905 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

906 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

907 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

908 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

909 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

910 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

911 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

˙060 55-7, Gasoline Tank (EFR)

912 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

913 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

914 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

915 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

916 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

917 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

918 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

919 Available data on the storage temperature may be used to determine true vapor pressure as determined in 40 CFR 60.116b(e)(1) and (e)(2). Subpart Kb. [40 CFR 60.116b(e)]

920 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

⌈061 80-1, Heavy Oil Tank (IFR)

921 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

922 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(iv) and (i)(2). Subpart CC. [40 CFR 63.654]

⌈062 80-10, Gasoline Tank (EFR)

923 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

924 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

925 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

926 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

927 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

[062 80-10, Gasoline Tank (EFR)

928 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

929 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

930 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

931 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

932 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

933 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

934 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

935 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

936 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

937 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

938 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

939 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

940 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

941 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

T062 80-10, Gasoline Tank (EFR)

942 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

943 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

944 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

945 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

946 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

947 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

948 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

949 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

950 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

951 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

952 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

953 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

954 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

955 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

'062 80-10, Gasoline Tank (EFR)

)56 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

)57 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

)58 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

)59 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

)60 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

)61 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

)62 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

)63 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

)64 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

)65 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

[063 80-11, Gasoline Tank (EFR)

966 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

967 *Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]*

968 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

969 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

063 80-11, Gasoline Tank (EFR)

970 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

971 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

972 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

973 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

974 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

975 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

976 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

977 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

978 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

979 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

980 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

981 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

982 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

983 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

984 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

063 80-11, Gasoline Tank (EFR)

985 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

986 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

987 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

988 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

989 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

990 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

991 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

992 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

993 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

994 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

995 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

996 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

997 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

998 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

T063 80-11, Gasoline Tank (EFR)

999 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

000 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

001 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

002 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

003 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

004 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

005 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

006 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

007 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

008 Available data on the storage temperature may be used to determine true vapor pressure as determined in 40 CFR 60.116b(e)(1) and (e)(2). Subpart Kb. [40 CFR 60.116b(e)]

009 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

T064 80-12SW, Sour Water Tank (EFR)

010 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

011 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

012 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

064 80-12SW, Sour Water Tank (EFR)

013 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

014 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

015 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

016 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

017 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

018 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

019 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

020 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

021 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

022 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

023 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

024 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

025 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

026 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

027 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

028 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

[064 80-12SW, Sour Water Tank (EFR)

029 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

030 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

031 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

032 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

033 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

034 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

035 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

036 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

037 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

038 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

039 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

040 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

041 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

042 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

T064 80-12SW, Sour Water Tank (EFR)

043 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

044 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

045 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

046 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

047 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

048 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

049 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

050 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

051 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

052 Available data on the storage temperature may be used to determine true vapor pressure as determined in 40 CFR 60.116b(e)(1) and (e)(2). Subpart Kb. [40 CFR 60.116b(e)]

053 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

T065 80-14WW, Wastewater Tank (EFR)

054 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

055 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

056 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

[065 80-14WW, Wastewater Tank (EFR)

057 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

058 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

059 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

060 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

061 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

062 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

063 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

064 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

065 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

066 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

067 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

068 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

069 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

070 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

071 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

072 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

Γ065 80-14WW, Wastewater Tank (EFR)

073 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

074 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

075 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

076 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

077 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

078 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

079 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

080 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

081 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

082 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

083 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

084 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

085 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

086 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

T065 80-14WW, Wastewater Tank (EFR)

087 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

088 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

089 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

090 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

091 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

092 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

093 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

094 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

095 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

096 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

T066 80-15HO, Heavy Oil Tank (FR)

097 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

098 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

T067 80-16Gas, Gasoline Tank (IFR)

099 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

[067 80-16Gas, Gasoline Tank (IFR)

100 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

101 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

102 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

103 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

104 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

105 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

106 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

107 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

108 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

109 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

110 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

111 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

112 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

113 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

114 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

115 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

116 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

[067 80-16Gas, Gasoline Tank (IFR)

117 Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

118 Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

119 Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

120 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
Which Months: All Year Statistical Basis: None specified

121 Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
Which Months: All Year Statistical Basis: None specified

122 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

123 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
Which Months: All Year Statistical Basis: None specified

124 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

[067 80-16Gas, Gasoline Tank (IFR)

125 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

126 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

127 Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]

128 Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]

129 Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR. 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]

130 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

131 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

132 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

133 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

[068 80-17, Wastewater Tank (EFR)

134 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

135 Compliance with all the applicable requirements of NESHAP, 40 CFR 61, Subpart FF is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

136 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

[068 80-17, Wastewater Tank (EFR)

137 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

138 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

139 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

140 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

141 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

142 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

143 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

144 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

145 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

146 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

147 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

148 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

149 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

150 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

T068 80-17, Wastewater Tank (EFR)

151 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

152 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

153 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

154 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

155 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

156 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

157 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

158 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

159 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

160 Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]

161 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

T069 80-18Gas, Gasoline Tank (EFR)

162 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

163 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]

164 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. [LAC 33:III.2103.D.2.b]

165 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified

T069 80-18Gas, Gasoline Tank (EFR)

166 Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified

167 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

168 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

169 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified

170 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

171 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.2.e]

172 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]

173 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]

174 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]

175 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]

176 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

177 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

178 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

179 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

180 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

T069 80-18Gas, Gasoline Tank (EFR)

181 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

182 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified

183 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

184 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

185 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

186 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
Which Months: All Year Statistical Basis: None specified

187 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

188 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

189 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

190 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
Which Months: All Year Statistical Basis: None specified

191 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

192 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]

193 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]

194 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

T069 80-18Gas, Gasoline Tank (EFR)

195 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]

196 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified

197 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]

198 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]

.199 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]

.200 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]

.201 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

.202 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]

.203 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]

.204 Available data on the storage temperature may be used to determine true vapor pressure as determined in 40 CFR 60.116b(e)(1) and (e)(2). Subpart Kb. [40 CFR 60.116b(e)]

.205 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

T070 80-2, Naphtha Tank (IFR)

.206 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

!207 Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. [LAC 33:III.2103.C.1.b]

[070 80-2, Naphtha Tank (IFR)

208 Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. [LAC 33:III.2103.C.2]

209 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.C]

210 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

211 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

212 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

213 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

214 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]

215 Internal floating roof: Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(iii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]

216 Internal floating roof: Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]

217 Internal floating roof: Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]

218 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
Which Months: All Year Statistical Basis: None specified

219 Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]

220 If any of the conditions listed in 40 CFR 63.120(a)(7) are found during the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]

221 Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), and (a)(3)(ii). If the inspection required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(ii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(a)]

222 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G. [40 CFR 63.123]

223 Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

224 If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

T070 80-2, Naphtha Tank (IFR)

225 Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

226 Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

227 Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

228 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

T071 80-4, Heavy Oil Tank (FR)

229 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

230 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

T073 80-6, Middle Distillates Tank (FR)

231 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

232 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

T074 80-7MD, Middle Distillates Tank (FR)

233 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

234 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

T075 80-8, Middle Distillates Tank (FR)

235 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

236 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(1)(iv). Subpart CC. [40 CFR 63.654]

T077 AH-V-Absorber, Asphaltene Tank Absorber

237 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

238 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified

239 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.E]

T077 AH-V-Absorber, Asphaltene Tank Absorber

240 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]

241 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

242 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

243 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of breakthrough. Keep records of the number of breakthroughs on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

244 Submit report: Due annually, by the 31st of March. Submit the number of breakthroughs for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

245 Control VOC emissions using activated carbon adsorption units (at 95% efficiency) that have been approved by the Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

246 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

247 Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)]

248 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

249 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb will comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 663.54. Subpart CC. [40 CFR 63.640(n)]

T078 1-77, No. 2 Alky Reboiler

250 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

251 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

252 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

253 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

T078 1-77, No. 2 Alky Reboiler

.254 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; Method 9 - Visual Determination of the opacity of emissions from stationary sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

1255 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

1256 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified

1257 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

1258 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1259 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

1260 Existing Large Gaseous Fuel unit: Notification was submitted on March 11, 2005 as per the requirements of 40 CFR 63.9(b). Subpart DDDDD. [40 CFR 63.7506(b)]

T079 5-00, SRU No. 3 and No. 4 Incinerator

1261 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

1262 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

1263 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days of an upset which has caused excess emissions, and if on-line operating changes will eliminate a temporary condition. Submit report if requesting exemption from the emission limitations of LAC 33:III.1503.A. Explain the conditions and duration of the upset and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1507.B.1]

1264 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
Which Months: All Year Statistical Basis: None specified

1265 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

1266 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

1267 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1513]

T079 5-00, SRU No. 3 and No. 4 Incinerator

1268 Conduct a performance/emissions test: Due within 180 days after the issuance of the permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

1269 Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i)]
Which Months: All Year Statistical Basis: None specified

1270 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Subpart J. [40 CFR 60.105(a)(5)(i), 40 CFR 60.105(a)(5)(ii)]
Which Months: All Year Statistical Basis: None specified

1271 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(5)]
Which Months: All Year Statistical Basis: None specified

1272 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

1273 Shall comply with all the applicable requirements of reporting and recordkeeping as per NSPS, 40 CFR 60, Subpart J. Subpart J. [40 CFR 60.107]

1274 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subaprt UUU - NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. Subpart UUU. [40 CFR 63.1560]

1275 Sulfur dioxide <= 250 ppmv (dry basis) at 0% excess air. Subpart UUU. [40 CFR 63.1568(a)(1)]
Which Months: All Year Statistical Basis: None specified

1276 Demonstrate initial compliance with each applicable emission limitation according to 40 CFR 63 Subpart UUU Table 33. Subpart UUU. [40 CFR 63.1568(b)(5)]

1277 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]

T080 H-1, Asphaltene Handling

1278 Total suspended particulate <= 0.29 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
Which Months: All Year Statistical Basis: None specified

T081 Y-V-306, Gasoline Tank

1279 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

1280 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

1281 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

T088 250-4, Middle Distillates Tank (EFR)

T088 250-4, Middle Distillates Tank (EFR)

1282 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

1283 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(iv) and (i)(2). Subpart CC. [40 CFR 63.654]

T089 250-5, Middle Distillates Tank (EFR)

1284 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

1285 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(iv) and (i)(2). Subpart CC. [40 CFR 63.654]

T090 250-6, Middle Distillates Tank (EFR)

1286 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

1287 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(iv) and (i)(2). Subpart CC. [40 CFR 63.654]

T091 250-7, Middle Distillates Tank (EFR)

1288 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is deemed as compliance with all the applicable requirements of LAC 33:III.5107 and 5109.A. [LAC 33:III.5107, 5109]

1289 Storage Vessel: Group 2, shall comply with all the applicable requirements of NESHAP, 40 CFR 63.654(i)(iv) and (i)(2). Subpart CC. [40 CFR 63.654]

T092 COMP, Diesel Fired Compressors

1290 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1291 Permittee shall comply with all the applicable state and federal requirements. If a diesel fired engine is greater than 500 hp it shall not be operated more than 700 hours in consecutive six months. The total hours of turnaround of a unit or equipment can exceed based on the calculated hours but the overall total emissions shall not exceed. [LAC 33:III.501.C.6]

1292 Equipment/operational data <= 4400 horsepower and a total of 10,000 hours. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total horse power, number of generators, and the total emissions exceed the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1293 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total horsepower-hours each month, as well as the total horsepower-hours for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1294 Submit report: Due annually, by the 31st of March. Report the utilization in horsepower, the number of hours of operation, and the total emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

T093 GEN, Diesel Fired Generators

1295 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

T093 GEN, Diesel Fired Generators

1296 Permittee shall comply with all the applicable state and federal requirements. If a diesel fired engine is greater than 500 hp it shall not be operated more than 700 hours in consecutive six months. The total hours of turnaround of a unit or equipment can exceed based on the calculated hours but the overall total emissions shall not exceed. [LAC 33:III.501.C.6]

1297 Equipment/operational data <= 11100 horsepower and a total of 2,000 hours. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total horse power, number of generators, and the total emissions exceed the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

1298 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total horsepower-hours and the corresponding emissions each month, as well as the total horsepower-hours and the corresponding emissions for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

1299 Submit report: Due annually, by the 31st of March. Report the utilization in horsepower, the number of hours of operation, and the corresponding emissions for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

T094 PUMP, Diesel Fired Pumps

1300 Permittee shall comply with all the applicable state and federal requirements. If a diesel fired engine is greater than 500 hp it shall not be operated more than 700 hours in consecutive six months. The total hours of turnaround of a unit or equipment can exceed based on the calculated hours but the overall total emissions shall not exceed. [LAC 33:III.501.C.6]

1301 Permittee shall keep record of the horsepower, number of hours of operation, and the corresponding emissions for each firewater pump. The emissions shall be calculated based on the associated emissions factors. The total annual emissions shall not exceed the limits stated for Emission Point PUMP. The total emissions calculated based on the operations of the individual pump shall be recorded each month, as well as the total calculated emissions for all the pumps for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total calculated emissions based on the operation of the pumps above the maximum for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report the operation record and the overall total emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]

T095 TRND, Refinery Turnaround Emissions

1302 Permittee shall comply with all the applicable state and federal requirements during turnaround, startup and shutdown. The emissions shall be routed to a flare during vapor deinventory or appropriately disposed based on the regulations. [LAC 33:III.501.C.6]

1303 Permittee shall keep record of the number of turnaround performed each year for each unit or equipment as permitted under the Emission Point TRND. The total emissions permitted under TRND are for five years. Permittee shall calculate the emissions based on the turnaround record for each year and a cumulative emissions total shall not exceed the emissions listed in Emission Point TRND, any exceedance is a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report of the number of turnaround performed and the total calculated emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□
□
□
. [LAC 33:III.501.C.6]

T097 DS-V-014, Vent Stream

T097 DS-V-014, Vent Stream

1304 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

1305 Emissions from Fractionator Receiver of MDH Unit. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

T098 DS-V-003, Vent Stream

1306 Emissions from Feed Surge Drum of MDH Unit. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

T099 AL-V-002, Vent Stream

1307 Emissions from Relief Gas Scrubber of Alkylation Unit. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

T100 Q-L-V-009, Vent Stream

1308 Emissions from Merox Unit Spent Caustic Degassing Drum. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

T101 Vent Stream

1309 Emissions shall be routed to the FCC Regenerator after the FCC Expansion Project is complete (Phase II). [LAC 33:III.501.C.6]

1310 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

1311 Emissions from Merox Off Gas Knock Out Pot. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.643-645]

T102 Vent Streams

1312 Emissions (Organic HAP) from Catalytic Reforming Unit. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart UUU - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.1566]

T103 Vent Streams

1313 Emissions (Inorganic HAP) from Catalytic Reforming Unit. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart UUU - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.1567]

T104 Vent Stream

1314 Emissions shall be routed to the Fuel Gas System after the FCC Expansion Project is complete (Phase II). [LAC 33:III.501.C.6]

1315 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

1316 Emissions from OWS Unit Feed Surge Drum. Shall comply with all the applicable provisions of NESHAP, 40 CFR 61, Subpart FF. Subpart FF. [40 CFR 63.11, 40 CFR 61.356, 40 CFR 61.347, 354]

IT105 Vent Stream

1317 Emissions shall be routed to the Fuel Gas System after the FCC Expansion Project is complete (Phase II). [LAC 33:III.501.C.6]

1318 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

1319 Emissions from OWS Unit Overhead Receiver. Shall comply with all the applicable provisions of NESHAP, 40 CFR 61, Subpart FF. Subpart FF. [40 CFR 61.356, 40 CFR 61.347, 354]

IT106 PV-045, Vent Stream

1320 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

1321 Emissions from ROSE Unit Solvent Surge Drum. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

IT107 Vent Stream

1322 Emissions from Butane Caustic Treater. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11, 40 CFR 63.643-645]

IT108 AH-V-301, Vent Stream

1323 Emissions from North Asphaltene Tank. Shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart Kb. Subpart Kb. [40 CFR 60.18, 40 CFR 60.112b(3)(ii)]

IT109 AH-V-302, Vent Stream

1324 Emissions from South Asphaltene Tank. Shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart Kb. Subpart Kb. [40 CFR 60.18, 40 CFR 60.112b(3)(ii)]

IT110 AH-V-303, Vent Stream

1325 Emissions from 5,000 bbl Asphaltene Tank. Shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart Kb. Subpart Kb. [40 CFR 60.112b(3)(ii), 40 CFR 60.18]

IT112 Vent Stream

1326 Emissions shall be routed to the Fuel Gas System after the FCC Expansion Project is complete (Phase II). [LAC 33:III.501.C.6]

1327 The stream shall be routed to the Fuel Gas System (FGS) on completion of the project. [LAC 33:III.501.C.6]

IT113 Vent Stream

1328 Emissions from Propane Loading Rack. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11]

IT114 Vent Stream

1329 Emissions from Butane Loading Rack. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.11]

]T115 Vent Stream

1330 Emissions from ROSE Unit Hot Oil Surge Drum. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.644, 645, 40 CFR 63.11]

]T116 Vent Stream

1331 Emissions from ROSE Unit Hot Oil Surge Drum. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Miscellaneous Process Vents. Subpart CC. [40 CFR 63.644, 645, 40 CFR 63.11]

]T117 Vent Stream

1332 Emissions from API Separator. Shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart QQQ - Oil Water Separators. Subpart QQQ. [40 CFR 60.692-3]

]T118 Vent Stream

1333 Emissions from Marine (River) Loading Dock. Shall comply with all the applicable provisions of NESHAP, 40 CFR 63, Subpart CC - Marine Vessel Loading. Subpart CC. [40 CFR 63.651]

IG001 Fugitives, Facility Fugitive Emissions

1334 Hydrogen fluoride <= 0.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1335 Hydrogen fluoride <= 0.11 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average

1336 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.501.C.6]

1337 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.5105]

1338 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1339 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

IG001 Fugitives, Facility Fugitive Emissions

1340 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1341 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1342 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1343 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1344 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1345 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1346 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1347 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1348 Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1349 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

1350 Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4. [LAC 33:III.5109.A]

IG001 Fugitives, Facility Fugitive Emissions

1351 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1352 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1353 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1354 Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1355 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1356 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1357 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1358 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1359 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1360 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.5109.A]

1361 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]

1362 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

IG001 Fugitives, Facility Fugitive Emissions

1363 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1364 Pressure relief device in gas/vapor service: *After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as* practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1365 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1366 Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2. [LAC 33:III.5109.A]

1367 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]

1368 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1369 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1370 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1371 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1372 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1373 Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

IG001 Fugitives, Facility Fugitive Emissions

1374 Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1375 Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1376 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1377 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1378 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

1379 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1380 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

1381 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1382 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

JG001 Fugitives, Facility Fugitive Emissions

1383 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

1384 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1385 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1386 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1387 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). . Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1388 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1389 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

IG001 Fugitives, Facility Fugitive Emissions

1390 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1391 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1392 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]

1393 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified

1394 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements. [LAC 33:III.5109.A]

1395 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1396 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1397 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1398 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1399 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1400 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1401 Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

1402 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

JG001 Fugitives, Facility Fugitive Emissions

1403 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

1404 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

1405 Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subaprt UUU - NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. Subpart UUU. [40 CFR 63.1560]

1406 Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]

1407 Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]

1408 Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]

1409 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

1410 Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]

RP004 Crude Tanks Emission Cap

1411 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-CRUDE(CAP), based on the throughput of the stored material from all the tanks listed below to no more than 9.91 TPY. The overall VOC emission of all the tanks shall be calculated using individual tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□

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Emission Points 200-4, 200-5, 300-1, 300-2, 300-3, 450-1, and 450-2. [LAC 33:III.501.C.6]

RP005 Gasoline Tanks Emission Cap

1412 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-GASOLINE (CAP), based on the gasoline throughput of the stored material from all the tanks listed below to no more than 30.41 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□

□

Emission Points 200-1, 200-2, 200-3, 80-10, 80-11, 80-12SW, 80-14WW, 80-16Gas, 80-18Gas and 55-7. [LAC 33:III.501.C.6]

RP006 Heaters and Boilers Emission Cap

RP006 Heaters and Boilers Emission Cap

1413 Permittee shall continuously monitor the heat input to the individual equipment (boilers, heaters, and reboilers) referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment, the permittee shall calculate emissions for each equipment. The total heat input to all the equipment shall not exceed 1815.07 MM BTU/hr (Low Heating Value annual average) and the total calculated emissions from all the equipment shall not exceed PM10, 65.79 tons per year (TPY); SO2, 235.16 TPY; NOx, 884.02 TPY; CO, 847.74 TPY; and VOC, 47.61 TPY. Emissions from these equipment shall be reported under an emission cap, Emission Point CAP-HEATERS (CAP). The total heat input and the calculated emissions of the individual equipment shall be recorded each month, as well as the heat input and the total calculated emissions for all the equipment for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□

□

Emission Points 1-76, 1-77, 1-80, 12-72A, 14-72, 15-72, 16-72, 17-72a b c, 19-72, 5-73, 2-92, 1-00, 2-00, 3-00, 1-06, and 1-07. [LAC 33:III.501.C.6]

RP007 Heavy Oil Tanks Emission Cap

1414 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-HEAVY OIL (CAP) based on the heavy oil throughput of the stored material from all the tanks listed below to no more than 7.23 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□

□

Emission Points 200-7, 80-1, 80-4, 80-7MD, and 80-15HO. [LAC 33:III.501.C.6]

RP008 Middle Distillates Tanks Emission Cap

1415 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-MID (CAP) based on the middle distillate throughput of the stored material from all the tanks listed below to no more than 42.61 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□

□

Emission Points 150-1, 200-6, 250-4, 250-5, 250-6, 250-7, 300-1, 300-2, 300-3, 80-6, 80-7MD, 80-8, 80-10, 80-12SW, 80-14WW, and 80-18Gas. [LAC 33:III.501.C.6]

RP009 Naphtha Tanks Emission Cap

RP009 Naphtha Tanks Emission Cap

1416 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-NAPHTHA (CAP) based on the naphtha throughput of the stored material from all the tanks listed below to no more than 2.35 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□
□
Emission Points 80-2, 80-11, and 80-16Gas. [LAC 33:III.501.C.6]

RP010 Slop Oil Tanks Emission Cap

1417 Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point CAP-SLOP OIL (CAP) based on the slop oil throughput of the stored material from all the tanks listed below to no more than 12.03 TPY. The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□
□
Emission Points 1-3 and 5-3. [LAC 33:III.501.C.6]

RP011 SRU Emission Cap

1418 Permittee shall continuously monitor the heat input to the individual sulfur recovery units referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment, the permittee shall calculate emissions for each equipment. The total heat input to all the sulfur recovery units shall not exceed 43.83 MM BTU/hr (Low Heating Value annual average) and the total calculated emissions from all the sulfur recovelry units shall not exceed PM10, 9.95 tons per year (TPY); SO2, 200.60 TPY; NOx, 22.79 TPY; CO, 26.53 TPY; VOC, 3.32 TPY; and H2S, 4.20 TPY. Emissions from the sulfur recovelry shall be reported under an emission cap, Emission Point CAP-SRU. The total heat input and the calculated emissions of the individual sulfur recovery unit shall be recorded each month, as well as the heat input and the total calculated emissions for all the sulfur recovlery units for the last twelve months shall be recorded. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□
□
Emission Points 1-93 and 5-00. [LAC 33:III.501.C.6]

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1419 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

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1420 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

1421 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

1422 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

1423 Do not emit the carbon monoxide waste gas stream from any catalyst regeneration of a petroleum cracking system, petroleum fluid coker, or other petroleum process into the atmosphere unless the waste gas stream is burned in a direct flame afterburner or boiler or is controlled by other means approved by DEQ. [LAC 33:III.1705]

1424 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

1425 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. [LAC 33:III.2141.A]

1426 Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K. [LAC 33:III.2141.A]

1427 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

1428 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

1429 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

1430 Carbon monoxide <= 1960.70 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1431 Nitrogen oxides <= 1220.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1432 Particulate matter (10 microns or less) <= 206.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1433 Sulfur dioxide <= 684.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1434 VOC, Total <= 600.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1435 1,3-Butadiene <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1436 Ammonia <= 45.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1437 Benzene <= 8.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1438 Cumene <= 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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1439 Ethyl benzene <= 1.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1440 Formaldehyde <= 2.91 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1441 Hydrochloric acid <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1442 Hydrogen sulfide <= 6.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1443 Methyl Tertiary Butyl Ether <= 10.43 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1444 Naphthalene <= 0.52 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1445 Polynuclear Aromatic Hydrocarbons <= 0.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1446 Toluene <= 8.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1447 Xylene (mixed isomers) <= 8.09 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1448 n-Hexane <= 7.90 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1449 Isooctane <= 4.30 tons/yr□
Which Months: All Year Statistical Basis: Annual maximum. [LAC 33:III.501.C.6]

1450 Hydrogen fluoride <= 0.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

1451 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

1452 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

1453 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

1454 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

1455 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

1456 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

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1457 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

1458 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

1459 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

1460 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

1461 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

1462 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

1463 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]

1464 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

1465 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

1466 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

1467 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

1468 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

1469 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

1470 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

1471 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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1472 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

1473 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

1474 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

1475 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

1476 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

1477 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

1478 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

1479 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

1480 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

1481 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

1482 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

1483 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

1484 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

1485 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

1486 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

1487 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

1488 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

1489 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

1490 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

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1491 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

1492 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

1493 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]

1494 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]

1495 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]

1496 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]

1497 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]

1498 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

1499 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]

1500 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]

1501 Permittee shall comply with all the applicable requirements of 40 CFR 60.692-1 thru 60.692-5, except during periods of startup, shutdown, or malfunction. The compliance will be determined by review of records and reports, review of performance test results, and inspection using methods and procedures as per 40 CFR 60.696. Subpart QQQ. [40 CFR 60.690]

1502 Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

1503 Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
Which Months: All Year Statistical Basis: None specified

1504 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
Which Months: All Year Statistical Basis: None specified

1505 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
Which Months: All Year Statistical Basis: None specified

1506 Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]

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1507 Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]

1508 Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]

1509 Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
Which Months: All Year Statistical Basis: None specified

1510 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]

1511 Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]

1512 Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
Which Months: All Year Statistical Basis: None specified

1513 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]

1514 Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]

1515 Equip and operate each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)(1) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]

1516 Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(b)]

1517 Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]

1518 Ensure that slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling slop oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Subpart QQQ. [40 CFR 60.692-3(e)]

1519 Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]

1520 Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]

1521 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]

1522 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]

1523 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]

1524 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]

1525 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]

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1526 Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]

1527 Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]

1528 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

1529 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
Which Months: All Year Statistical Basis: None specified

1530 Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]

1531 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]

1532 Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357(d)]

1533 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]

1534 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]

1535 Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]

1536 Submit report: Due within 90 days after January 7, 1993. Submit a certification that the equipment necessary to comply with 40 CFR 61 Subpart FF has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(1)]

1537 Submit report: Due by the date of initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 61 Subpart FF has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(1)]

1538 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]

1539 Include in the report required by 40 CFR 61.357(d)(2) a table presenting the information specified in 40 CFR 61.357(d)(5)(i) and (d)(5)(ii) for each waste stream. Subpart FF. [40 CFR 61.357(d)(5)]

1540 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]

1541 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

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1542 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1564(b)(7)]

1543 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1564(a)(3) by maintaining records to document conformance with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1564(c)(2)]

1544 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1565(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status according to 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1565(b)(5)]

1545 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1565(b)(6)]

1546 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1565(a)(3) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1565(c)(2)]

1547 Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]

1548 Be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(b)]

1549 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]

1550 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]

1551 Operate in accordance with the SSMP during periods of startup, shutdown, and malfunction. Subpart UUU. [40 CFR 63.1570(e)]

1552 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]

1553 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]

1554 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]

1555 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]

1556 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]

1557 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]

1558 Permittee shall comply with all the applicable requirements to petroleum refining process units and to related emission points that are specified in of 40 CFR 63.640(c)(5) and (c)(7) and meet the criteria in (a)(1) and (a)(2) and all the applicable requirements of 40 CFR 63.640(h),(i),(j), (k), (l), and (m). Subpart CC. [40 CFR 63.640]

1559 Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]

1560 Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]

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1561 Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]

1562 Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]

1563 Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]

1564 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]

1565 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

1566 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

1567 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

1568 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

1569 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

RP017 CAP-HEATERS, Pre-project

1570 Interim Period During Construction of "Clean Fuels" Phase II Project: Permittee shall continuously monitor the heat input to the individual equipment (boilers, heaters, and reboilers) referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment, the permittee shall calculate emissions for each equipment. The total heat input to all the equipment shall not exceed 1815.07 MM BTU/hr (Low Heating Value annual average) and the total calculated emissions from all the equipment shall not exceed PM10, 65.79 tons per year (TPY); SO2, 320.37 TPY; NOx, 884.02 TPY; CO, 847.74 TPY; and VOC, 47.61 TPY. Emissions from these equipment shall be reported under an emission cap, Emission Point CAP-HEATERS (CAP). The total heat input and the calculated emissions of the individual equipment shall be recorded each month, as well as the heat input and the total calculated emissions for all the equipment for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.□
□
Emission Points 1-76, 1-77, 1-80, 12-72A, 14-72, 15-72, 16-72, 17-72a b c, 19-72, 5-73, 2-92, 1-00, 2-00, 3-00, 1-06, and 1-07. [LAC 33:III.501.C.6]

Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	**Murphy Oil USA, Inc.**	**AI #:**	**1238**	**Permit No:** **TEMPO Activity No:**	**2500-00001-V2** **PER20050006**
Facility Name:	**Meraux Refinery**	**Remarks Submitted by:**	**James R. Britt**		
Permit Writer:	**Syed Quadri**	**Permit Writer Email address:**	**syed.quadri@la.gov**		

Instructions

Permit Reference – Indicate specific portion(s) of the permit to which the remark relates (i.e. "Specific Condition 120", or "Section II Air Permits Briefing Sheet", etc.).

Remarks – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information ***must be submitted.*** Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

DEQ Response – ***DO NOT COMPLETE THIS SECTION.*** This section will be completed by Air Permits Division of DEQ, included in the proposed permit package and made available for public review during any required public comment period.

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

Permit Reference	Remarks	Air Permits Division Response (for official use only)
Emission Rates for Criteria Pollutants and Emission Rates for HAP/TAP and Other Pollutants	**Add startup and shutdown emissions as provided in the email from Valerie Barth (Trinity) on March 20, 2007. The emissions for startup and shutdown should be updated to reflect the emissions for the entire permit term.**	**No**
Emission Rates for HAP/TAP and Other Pollutants (p. 4 of 13)	**EQT 065 (80-14WW) maximum lb/hr benzene emissions should be 0.001 lb/hr.**	**No. Average is 0.003 lb/hr, how can the max. be 0.001 lb/hr**
Emission Rates for HAP/TAP and Other Pollutants (p. 7 of 13)	**GRP 008 (CAP-MID) average lb/hr emissions should be 0.55 lb/hr.**	**Benzene? EIQ states that the average is 0.13 lb/hr**
Specific Requirements (p. 11 of 106)	**Add LAC 33:III.1503.B limit for NSPS Subpart J – 250 ppmv for EQT019 (1-93).**	**Will consider**

Specific Requirements (p. 82 of 106)	Add LAC 33:III.1503.B limit for NSPS Subpart J – 250 ppmv for EQT079 (5-00).	Will consider
Specific Requirements SR 1449 (P. 99 of 106)	Isooctane emissions should be less than or equal to 4.27 tpy.	Will consider
Inventories Table (p. 3 of 10)	EQT 097, EQT 101, EQT 104, EQT 105, EQT 106, EQT 112 - Please note that these vent streams will be removed upon completion of the Clean Fuels Phase II project.	You will have to change this after the project is complete by a permit action
Air Permit Briefing Sheet (p. 12) and Statement of Basis	Please incorporate the decreases from Clean Fuels Phase II into the permit. Murphy will use these decreases in future netting analyses as creditable contemporaneous decreases.	There is no banking system for attainment areas.
Statement of Basis	The title of the RO is Vice President Refining.	OK