Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(011)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.] The permittee shall comply with the recordkeeping and reporting provisions in (a) through (f) of this condition. (a) 40 CFR §§ 60.486 and 60.487, except as specified (a)(1) of this condition; or 40 CFR §§ 63.181 and 63.182, except for 40 CFR § 63.182(b), (c)(2), and (c)(4). (1) The signature of the permittee (or designate) whose decision it was that a repair could not be effected without a process shutdown is not required to be recorded. Instead, the name of the person whose decision it was that a repair could not be effected without a process shutdown shall be recorded and retained for 2 years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(b) The Notification of Compliance Status report required by 40 CFR § 63.182(c) and the initial semiannual report required by 40 CFR § 60.487(b) shall be submitted within 150 days of the compliance date specified in 40 CFR § 63.640(h).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(011)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(c) The permittee who determines that a compressor qualifies for the hydrogen service exemption in 40 CFR § 63.648 shall also keep a record of the demonstration required by 40 CFR § 63.648.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(d) The permittee must keep a list of identification numbers for valves that are designated as leakless per 40 CFR § 63.648(c)(10).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(e) The permittee must identify, either by list or location (area or refining process unit), equipment in organic HAP service less than 300 hours per year within refining process units subject to 40 CFR, Subpart FF.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(f) The permittee must keep a list of reciprocating pumps and compressors determined to be exempt from the seal requirements as per 40 CFR § 63.648(f) and (i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(g) The permittee, who whishes to use an alternative monitoring method, shall submit an application to DEP as described in 40 CFR §§ 63.8(f)(4)(ii) and 63.654(h).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 129 - Disulfide Oxidizer Separator Vent						
129 - Disulfide Oxidizer Separator Vent	(D)(129)(001)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.643]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.] In accordance with 40 CFR §63.643(b), the vent stream shall be introduced into the combustion zone of CO Boiler (Source ID C01) to reduce organic HAP emissions by 98 weight-percent or to a concentration of 20 ppmv on a dry basis, corrected to 3% oxygen, whichever is less stringent.	The vent stream is permanently routed to the combustion zone of the CO Boiler and is not capable of bypass.	Continuous
129 - Disulfide Oxidizer Separator Vent	(D)(129)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.645]	Testing Requirements	The permittee shall comply with the applicable test methods and procedures specified in 40 C.F.R. §63.645.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
129 - Disulfide Oxidizer Separator Vent	(D)(129)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
129 - Disulfide Oxidizer Separator Vent	(D)(129)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Recordkeeping Requirements	As per 40 C.F.R. §63.655(i)(5), the information required to be reported under 40 C.F.R. §63.655(h)(1) shall be retained for 5 years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
129 - Disulfide Oxidizer Separator Vent	(D)(129)(004)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Reporting Requirements	As per 40 C.F.R. §63.655(h)(1), the permittee shall submit reports of startup, shutdown, and malfunction required by 40 C.F.R. §63.10(d)(5).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
129 - Disulfide Oxidizer Separator Vent	(D)(129)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
129 - Disulfide Oxidizer Separator Vent	(D)(129)	None	Additional Requirements	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 130 - Peabody Heater						
130 - Peabody Heater	(D)(130)(001)	[25 Pa. Code §123.13]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of particulate matter from this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)(002)	[25 Pa. Code §123.21]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)(003)	[25 Pa. Code §129.99]	Emission Restriction	NOx emissions from this heater shall not exceed 7.6 tons per 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)(004)	[25 Pa. Code §127.441]	Fuel Restriction	The source shall fire natural gas only.	Fuel Meters	Continuous
130 - Peabody Heater	(D)(130)(005)	[25 Pa. Code §127.441]	Fuel Restriction	This source shall only be used during FCC unit (Source ID 101) start-up and warm idle operation.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
130 - Peabody Heater	(D)(130)(006)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor for this source: (a) The operating hours; and (b) The amount of fuel consumed using either a fuel flow meter, or based on the operating hours and maximum heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)(007)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records of this source: a. The operation hours each day the source is operating. b. The amount of fuel consumed each day the source is operating, using a flow meter, or based on the operating hours and maximum heater input. c. The average firing rate in MMBtu/hr each month and each 12 consecutive month period. (d)The maintenance conducted on the source and air pollution control devices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
130 - Peabody Heater	(D)(130)(008)	[25 Pa. Code §129.99]	Work Practice Requirements	The permittee shall operater and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)	None	Additional Requirements	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 131 - AWWTP Emergency Generator						
131 - AWWTP Emergency Generator	(D)(131)(001)	[25 Pa. Code §129.97]	Restrictions	The engine shall be operated less than 500 hours in a 12-month rolling period.		N/A
131 - AWWTP Emergency Generator	(D)(131)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
131 - AWWTP Emergency Generator	(D)(131)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
131 - AWWTP Emergency Generator	(D)(131)(002)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall calculate the difference between the actual emissions from the unit for the Generator during the period from May 1 through September 30 and the allowable emissions for that period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(003)	[25 Pa. Code §129.100]	Recordkeeping Requirements	The permittee must keep records of maintenance conducted on the source and air pollution control devices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(004)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6645]	Reporting Requirements	The permittee must submit an initial notification that shall include the information in §63.9(b)(2)(i) through (v), and a statement that the stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).	This was a one-time only requirement.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(005)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of NOx and VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(006)(a)	[25 Pa. Code §129.203]	Additional Requirements	(a) The permittee shall calculate the difference between the actual emissions from the unit during the period from May 1 through September 30 and the allowable emissions for that period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(006)(b)	[25 Pa. Code §129.203]	Additional Requirements	(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by the applicable emission rate of 2.3 grams of NOx per brake horsepowerhour.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(007)(a)	[25 Pa. Code §129.204]	Additional Requirements	(a) The permittee shall determine actual emissions in accordance with one of the following: (1) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NOx. (2) The maximum hourly allowable NOx emission rate contained in the permit or the higher of the following: (A) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors." (B) The highest rate determined by use of the emission factor for the unit class contained in the most up-to date version of EPA's "Factor Information Retrieval (FIRE)" data system. (C) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(007)(b)	[25 Pa. Code §129.204]	Additional Requirements	(b) The permittee shall surrender to the Department one NOx allowance, as defined in 25 Pa. Code §145.2 (relating to definitions), for each ton of NOx by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 131 - AWWTP Emergency Generator						
131 - AWWTP Emergency Generator	(D)(131)(007)(c)	[25 Pa. Code §129.204]	Additional Requirements	(c) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the owner or operator may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to this section at the owner or operator's other facilities.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(007)(d)	[25 Pa. Code §129.204]	Additional Requirements	(d) By November 1 of each year thereafter, the permittee shall surrender the required NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following: (1) The serial number of each NOx allowance surrendered. (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(007)(e)	[25 Pa. Code §129.204]	Additional Requirements	(e) If the permittee fails to comply with 25 Pa. Code §129.204(e), the permittee shall by December 31 surrender three NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(007)(f)	[25 Pa. Code §129.204]	Additional Requirements	(f) The surrender of NOx allowances under subsection 25 Pa. Code §129.204(f) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act. (1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered. (2) Each ton of excess emissions is a separate violation.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
133 - Benzene Waste Operations	(D)(133)(001)	[40 CFR Part 61 NESHAPs §40 CFR 61.355]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall comply with the requirements of 40 C.F.R. § 61.342(c), or the alternative compliance provisions specified in 40 C.F.R. § 61.342(d) or (e).	TAB verification report required by Consent Decree. Trainer will comply with the 6BQ option.	Continuous
133 - Benzene Waste Operations	(D)(133)(002)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Each fixed-roof, seal, access door, and all other opening shall be checked by visual inspection, initially and quarterly thereafter, to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(003)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Each cover and all openings for containers subject to 40 C.F.R. 61, Subpart FF, shall be visually inspected, initially and quarterly thereafter, to ensure that they are closed and gasketed properly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(004)	[40 CFR Part 61 NESHAPs §40 CFR 61.354]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Except for a treatment process or waste stream complying with 40 C.F.R. § 61.348(d), the permittee shall monitor each treatment process or wastewater treatment system unit to ensure the unit is properly operated and maintained by one of the following procedures: (a) Measure the benzene concentration of the waste stream exiting the treatment process complying with 40 C.F.R. §61.348(a)(1)(i) at least once per month by collecting and analyzing one or more samples using the procedures specified in 40 C.F.R. §61.355(c)(3). (b) Operate, calibrate, and maintain according to manufacturer's specifications equipment to continuously monitor and record a process parameter(s) for the treatment process or wastewater treatment system unit that indicated proper system operation. The permittee shall inspect at least once each operating day the data recorded by the monitoring equipment to ensure that the unit is operating properly.	Water samples are collected and analyzed monthly from the Brine Treatment Unit (BTU) and documented in files. Operating data from the BTU displayed real-time and archived by DCS.	Continuous
133 - Benzene Waste Operations	(D)(133)(005)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) When transferring waste offsite to another facility for treatment in accordance with 40 C.F.R. § 61.342(f), the permittee shall maintain documentation for each offsite waste shipment that includes the following information: Date waste is shipped offsite, quantity of waste shipped offsite, name and address of the facility receiving the waste, and a copy of the notice sent with the waste shipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(005)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(b) When control equipment is used in accordance with 40 C.F.R. §§61.343 through 347, the permittee shall maintain the engineering design documentation for all control equipment that is installed on the waste management unit. The documentation shall be retained for the life of the control equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(005)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(c) For any treatment process or wastewater treatment system in accordance with 40 C.F.R. §61.348, the permittee shall retain, for the life of the unit, a signed statement by the permittee certifying that the unit is designed to operate at the documented performance level when the waste stream entering the unit is at the highest waste stream flow rate and benzene content expected to occur.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(005)(d)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(d) The permittee shall maintain a record for each visual inspection required by 40 C.F.R. §§61.343 through 347 that identifies a problem which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(006)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall maintain records that identify each waste stream at the facility subject to 40 C.F.R. 61, Subpart FF, and indicate whether or not the waste stream is controlled for benzene emissions in accordance with 40 C.F.R. 61, Subpart FF. In addition, the following records shall be maintained: (a) For each waste stream not controlled for benzene emissions in accordance with 40 C.F.R. 61, Subpart FF, the records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(006)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(b) For each waste stream exempt from 40 C.F.R. §61.342(c)(1) in accordance with 40 C.F.R. §61.342(c)(3), the records shall include all measurements, calculations, and other documentation used to determine that the sum of the total annual benzene quantity in all exempt waste streams does not exceed 2.0 Mg/yr in accordance with 40 C.F.R. §61.342(c)(3)(ii).	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(006)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(c) Where waste streams are controlled for benzene emissions in accordance with 40 C.F.R. §61.342(e), the records shall include for each waste stream all measurements, including the locations of the measurements, calculations, and other documentation used to determine that the total benzene quantity does not exceed 6.0 Mg/yr.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(007)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The permittee shall maintain a record of each test of no detectable emissions required by 40 C.F.R. §§61.343 through 347 and 61.349. The record shall include the following information: (1) The date the test was performed, (2) The background level measured during test, and, (3) The maximum concentration indicated by the instrument reading measured for each potential leak interface.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(007)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(b) If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and the leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken and the date the corrective action was completed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(007)(c)(1)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(c) For each treatment process and wastewater treatment system unit operated to comply with 40 C.F.R. §61.348, the permittee shall maintain documentation that includes the following information regarding the unit shutdown: (1) Dates of startup and shutdown of the unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(007)(c)(2)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(2) If the measurements of waste stream benzene concentration are performed in accordance with 40 C.F.R. §61.354(a)(1), the permittee shall maintain records that include the date each test is performed and all test results.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(007)(c)(3)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(3) If a process parameter(s) is continuously monitored in accordance with 40 C.F.R. §61.354(a)(2), the permittee shall maintain records that include a description of the operating parameter(s) to be maintained to ensure that the unit will be operated in conformance with these standards and the unit's design specifications, and an explanation of the criteria used for selection of that parameter(s). This documentation shall be kept for the life of the unit.	Benzene concentration measured monthly from BTU; continuous monitors not required to verify compliance.	NA
133 - Benzene Waste Operations	(D)(133)(007)(c)(4)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(4) Periods when the unit is not operated as designed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(007)(d)	[40 CFR Part 61 NESHAPs §40 CFR 61.356]	Recordkeeping Requirements	(d) The permittee who elects to install and operate the control equipment in 40 C.F.R. §61.351 shall comply with the record keeping requirements in 40 C.F.R. §60.115b.	Benzene concentration measured monthly from BTU; continuous monitors not required to verify compliance.	NA
133 - Benzene Waste Operations	(D)(133)(008)(a)(1)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The following reports shall be submitted to the Administrator: (1) Beginning on the date that the equipment necessary to comply with these standards has been certified, the permittee shall submit, annually to the Administrator, a report that updates the information listed in 40 C.F.R. §§61.357(a)(1) through (3) is not changed in the following year, the permittee may submit a statement to that effect.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(008)(a)(2)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(2) If the permittee elects to comply with the requirements of 40 C.F.R. §61.342(c)(3)(ii), then the report required by (a)(1), above, shall include a table identifying each waste stream chosen for exemption and the total annual benzene quantity in these exempted streams.	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(008)(a)(3)(i)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(3) If the permittee elects to comply with the alternative requirements of 40 C.F.R. §61.342(d), then the report required by 40 C.F.R. §§61.357(d)(2), shall include a table presenting the following information for each waste stream: (i) For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of 40 C.F.R. 61, Subpart FF; the table shall report the following information for the waste stream as determined at the point of waste generation: Annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(008)(a)(3)(ii)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(ii) For each waste stream identified as being controlled for benzene emissions in accordance with the requirements of 40 C.F.R. 61, Subpart FF; the table shall report the following information for the waste stream as determined at the applicable location described in 40 C.F.R. §61.355(k)(2): Annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(008)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(b) Beginning three (3) months after the date that the equipment necessary to comply with these standards had been certified in accordance with (a)(1), above, the permittee shall submit quarterly to the Administrator a certification that all of the required inspections have been carried out in accordance with the requirements of 40 C.F.R. 61, Subpart FF.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(008)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(c) Beginning three (3) months after the date that the equipment necessary to comply with these standards has been certified, the permittee shall submit a quarterly report to the Administrator that includes if the treatment process is monitored in accordance with 40 C.F.R. §61.354(a)(1), then each period of operation during which the concentration of benzene in the monitored waste stream exiting the unit is equal to or greater than 10 ppmw.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(008)(d)	[40 CFR Part 61 NESHAPs §40 CFR 61.357]	Reporting Requirements	(d) Beginning one year after the date that the equipment necessary to comply with these standards had been certified in accordance with 40 C.F.R. §§61.357(d)(1), the permittee shall submit annually, to the Administrator, a report that summarizes all inspections required by 40 C.F.R. §§61.342 through 354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(009)	[25 Pa. Code §129.55]	Work Practice Requirements	This condition applies only to the wastewater separator located in the Advanced Waste Water Treatment Plant (AWWTP). No person may permit the use of a compartment of a single or multiple compartment volatile organic compound wastewater separator which compartment receives effluent water containing 200 gallons a day or more of any volatile organic compound from equipment processing, refining, treating, storing, or handling volatile organic compounds unless the compartment is equipped with one of the following vapor loss control devices--properly installed, in good working order, and in operation--as follows: (a) A container having all openings sealed and totally enclosing the liquid contents. Gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. (b) A container equipped with a floating roof--consisting of a pontoon-type roof, double-deck-type roof, or internal floating cover--which will rest on the surface of the contents and be equipped with closure seal or seals to close the space between the roof edge and container wall. Gauging and sampling devices shall be gas tight except when gauging or sampling is taking place.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
133 - Benzene Waste Operations	(D)(133)(010)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.342]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall include the following benzene quantities in their calculations: (a) Wastes that are exempted from control under 40 C.F.R. §61.342(c)(2) and (3) are included in the calculation of the total annual benzene quantity if they have an annual average water content greater than 10%, or if they are mixed with water or other wastes at any time and the mixture has an annual average water content greater than 10%.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(010)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.342]	Work Practice Requirements	(b) The benzene in a material subject to 40 C.F.R. 61, Subpart FF, that is sold shall be included in the calculation of the total annual benzene quantity if the material has an annual average water content greater than 10%.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(010)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.342]	Work Practice Requirements	(c) Benzene in wastes generated by remediation activities conducted at the facility, such as the excavation of contaminated soil, pumping and treatment of groundwater, and the recovery of product from soil or groundwater, are not to be included in the calculation of total annual benzene quantity for the facility. If the facility's total annual benzene quantity is greater than 10 Mg/yr or greater, wastes generated by remediation activities are subject to the requirements of 40 C.F.R. §61.342(c)-(h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(011)	[40 CFR Part 61 NESHAPs §40 CFR 61.342]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code §127.441.] The permittee shall manage and treat facility waste (including remediation and process unit turnaround waste) with a flowweighted annual average water content of 10% or greater, on a volume basis as total water, and each waste stream that is mixed with water or wastes at any time such that the resulting mixture has an annual water content greater than 10%, in accordance with the following: (1) The benzene quantity for the wastes described in 40 C.F.R. §61.342(b), must be equal to or less than 6.0 Mg/yr, as determined in 40 C.F.R. §61.355(k). Wastes as described in this condition that are transferred offsite shall be included in the determination of benzene quantity as provided in 40 C.F.R. §61.355(k). (2) The determination of benzene quantity for each waste stream defined in this condition shall be made in accordance with 40 C.F.R. §61.355(k).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(012)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For a tank that meets all the conditions specified in (a), below, the permittee may elect to comply with (c), below, as an alternative to the requirements specified in 40 C.F.R. §61.343(a)(1). (a) The waste managed in the tank applicable to 40 C.F.R. §61.343, shall meet all of the following conditions: (1) Each waste stream managed in the tank must have a flow-weighted annual average water content less than or equal to 10% water, on a volume basis as total water. (2) The waste managed in a tank either: (i) Has a maximum organic vapor pressure less than 0.75 psi; (ii) Has a maximum organic vapor pressure less than 4.0 psi and is managed in a tank having a design capacity less than 40,000 gal; or (iii) Has a maximum organic vapor pressure less than 11.1 psi and is managed in a tank having a design capacity less than 20,000 gal.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(012)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	(b) The permittee shall operate and maintain a fixed roof as specified in 40 C.F.R. §61.343(a)(1)(i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(012)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	(c) For each tank complying with this subcondition (a) above, one or more devices which vent directly to the atmosphere may be used on the tank provided each device remains in a closed, sealed position during normal operation except when the device needs to vent to prevent physical damage or permanent deformation of the tank or cover resulting from filling or emptying the tank, diurnal temperature changes, atmospheric pressure changes or malfunction of the unit in accordance with good engineering and safety practices for handling flammable, explosive or other hazardous materials.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(013)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Except as provided in (a) or (b) below, when a broken seal or gasket or other problem is identified, or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. (a) Delay of repair of facilities or units that are subject to the provisions of 40 C.F.R. 61, Subpart FF, will be allowed if the repair is technically impossible without a complete or partial facility or unit shutdown. (b) Repair of such equipment shall occur before the end of the next facility or unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(014)(a)(1)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Except as provided in 40 C.F.R. §61.343(b) and in 40 C.F.R. §61.351, the permittee shall meet the following standards for each tank in which the waste stream is placed in accordance with 40 C.F.R. §61.342(c)(1)(ii). The standards to tanks apply to the treatment of the waste stream in a tank, including dewatering. The permittee shall operate and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. (a) The fixed-roof tanks shall meet the following requirements: (1) The cover and all openings shall be designed to 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 C.F.R. §61.355(h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(014)(a)(2)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	(2) Each opening shall be maintained 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(014)(a)(3)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	(3) If the cover and closed vent-system operate such that the tank is maintained at a pressure less that atmospheric pressure, then 40 C.F.R. §61.334(a)(1)(i)(b) does not apply to any opening that meets all of the following conditions: (i) The purpose of the opening is to provide dilution air to reduce the explosion hazard; (ii) The opening is designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and at least once per year thereafter by the methods specified in 40 C.F.R. §61.355(h), and; (iii) The pressure is monitored continuously to ensure that the pressure in the tank remains below atmospheric pressure.	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(014)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.343]	Work Practice Requirements	(b) The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 C.F.R. §61.349.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(015)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall meet the following standards for each container in which regulated benzene waste in placed in accordance with 40 C.F.R. §61.342(c)(1)(ii): (a) A cover shall be installed, operated, and maintained on each container used to handle, transfer, or store waste in accordance with the following: (1) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, initially and thereafter at least once per year by the methods specified in 40 C.F.R. §61.355(h). (2) Except as provided in 40 C.F.R. §61.345(a)(4), each opening shall be maintained in a closed, sealed position at all times that waste is in the container except when it is necessary to use the opening for waste loading, removal, inspection, or sampling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(015)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	(b) When a waste is transferred into a container by pumping, the permittee shall perform the transfer using a submerged fill pipe. The fill pipe outlet shall extend to within two fill pipe diameters of the bottom of the container while the container is being loaded. During loading of the waste, the cover shall remain in place and all openings shall be maintained in a closed, sealed position except for those openings required for the submerged fill pipe, those openings required for venting of the container to prevent physical damage or permanent deformation of the container or cover, and any openings complying with 40 C.F.R. §61.345(a)(4).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(015)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	(c) Treatment of a waste in a container, including aeration, thermal or other treatment, shall be performed by the permittee in a manner such that whenever it is necessary for the container to be open while the waste is being treated, the container is located under a cover (enclosure) with a closed-vent system that routes all organic vapors vented from the container to a control device, except for the cover and closed-vent system that meet requirements in 40 C.F.R. §61.345(a)(4). (1) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, initially, and thereafter at least once per year by the methods specified in 40 C.F.R. §61.355(h). (2) The closed-vent system and control device shall be designed and operated in accordance with 40 C.F.R. §61.349.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
133 - Benzene Waste Operations	(D)(133)(016)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For covers and closed-vent systems that operate such that the container is maintained at a pressure less than atmospheric, the permittee may operate the system with an opening that is not sealed and kept closed at all times if the following conditions are met: (a) The purpose of the opening is to provide dilution air to reduce the explosion hazard;	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
133 - Benzene Waste Operations	(D)(133)(016)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	(b) The opening is designed to 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 methods specified in 40 C.F.R. §61.355(h); and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(016)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Work Practice Requirements	(c) The pressure is monitored continuously to ensure that the pressure in the container remains below atmospheric pressure.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
133 - Benzene Waste Operations	(D)(133)(017)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Each seal, access door and all other opening shall be checked by visual inspections initially and quarterly thereafter to ensure that no cracks or gaps occur and that openings are closed and gasketed properly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(017)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	(b) If the treatment process or wastewater treatment system unit has any openings, all such openings shall be sealed and kept closed at all times when waste is being treated, except during inspection and maintenance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(018)(a)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Except as provided in (d) below, the permittee shall treat the waste stream in accordance with the following requirements: (a) The permittee shall operate and maintain a treatment process that removes benzene from the waste stream to a level less than 10 ppmw on a flow-weighted annual average basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(018)(b)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	(b) For the purpose of complying with the requirements specified in (a), above, the intentional or unintentional reduction in the benzene concentration of a waste stream by dilution of the waste stream with other wastes or materials is not allowed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(018)(c)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	(c) The permittee may aggregate or mix together individual waste streams to create a combined waste stream for the purpose of facilitating treatment of waste to comply with the requirements of (a), above, except as provided in (d), below.	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(018)(d)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Work Practice Requirements	(d) If the permittee aggregates or mixes any combination of process wastewater or product tank drawdown subject to 40 C.F.R. §61.342(c)(1) together with other waste streams to create a combined waste stream for the purpose of facilitating management or treatment of waste in a wastewater treatment system, then the wastewater treatment system shall be operated in accordance with 40 C.F.R. §61.348(b). The provisions of this condition apply to above-ground wastewater treatment systems as well as those that are at or below ground level.	Compliance option not utilized in this reporting period.	NA
133 - Benzene Waste Operations	(D)(133)(019)	[40 CFR Part 61 NESHAPs §40 CFR 61.350]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Delay of repair of facilities or units that are subject to the provisions of 40 C.F.R. 61, Subpart FF will be allowed if the repair is technically impossible without a complete or partial facility or unit shutdown. (b) Repair of such equipment shall occur before the end of the next facility or unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance. Delay of repair not required for treatment units in this reporting period.	Continuous
133 - Benzene Waste Operations	(D)(133)(020)	[40 CFR Part 61 NESHAPs §40 CFR 61.351]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) As an alternative to the standards for tanks specified in 40 C.F.R. §61.343, the permittee may elect to comply with one of the following: (1) A fixed roof and internal floating roof meeting the requirements in 40 C.F.R. §60.112b(a)(1); (2) An external floating roof meeting the requirements in 40 C.F.R. §60.112b(a)(2); (3) An alternative means of emission limitation as described in 40 C.F.R. §60.114b. (b) If the permittee elects to comply with the provisions of this condition, then the permittee is exempt from the provisions of 40 C.F.R. §61.343.	Facility policies, procedures, and operating practices are in place to ensure compliance. Light recovered oil tanks operated to meet Kb requirements.	Continuous
133 - Benzene Waste Operations	(D)(133)(021)	[40 CFR Part 61 NESHAPs §40 CFR 61.355]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The total annual benzene quantity, from facility waste, shall be calculated according to the applicable requirements of 40 C.F.R. §61.355, and Conditions #005 and 006, for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance. Information included in annual TAB report.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 133 - Benzene Waste Operations						
133 - Benzene Waste Operations	(D)(133)(022)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.647]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] As specified in 40 C.F.R. §63.647, each Group 1 wastewater stream shall comply with the requirements of 40 C.F.R. §§61.340 through 61.355, for each process wastewater stream that meets the definition in 40 C.F.R. §61.341.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(023)	[40 CFR Part 61 NESHAPs §40 CFR 61.345]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] Except as provided in (a) or (b), below, when a broken seal, gasket, or other problem is identified, first efforts at repair shall be made as soon as practicable but not later than fifteen (15) calendar days after indication. (a) Delay of repair of facilities or units that are subject to the provisions of 40 C.F.R. 61, Subpart FF, will be allowed if the repair is technically impossible without a complete or partial facility or unit shutdown. (b) Repair of such equipment shall occur before the end of the next facility or unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
133 - Benzene Waste Operations	(D)(133)(024)	[40 CFR Part 61 NESHAPs §40 CFR 61.348]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The Administrator may request at any time the permittee demonstrate that a treatment process or wastewater treatment system unit meets the applicable requirements specified in 40 C.F.R. §61.348(a)(1) by collecting and analyzing samples using the procedures specified in 40 C.F.R. §61.355(c)(3).	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
133 - Benzene Waste Operations	(D)(133)(025)	[40 CFR Part 61 NESHAPs §40 CFR 61.353]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in benzene emissions at least equivalent to the reduction in benzene emissions from the source achieved by the applicable design, equipment, work practice, or operational requirements in 40 C.F.R. §§61.342 through 349, the Administrator will publish in the Federal Register a notice permitting the use of the alternative means for the purposes of compliance with that requirement. The notice may condition the permission on requirements related to the operation and maintenance of the alternative means. (b) Any notice under (a), above, shall be published only after a public notice and an opportunity for a hearing. (c) Any person seeking permission under this condition shall collect, verify, and submit to the Administrator information showing that the alternative means achieves equivalent emission reductions.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 134 - #132 Int. Float 15M BBLS						
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
134 - #132 Int. Float 15M BBLS	(D)(134)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T001 (MACT Group 1, Internal Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 136 - #151 Ext. Float 53M BBLS						
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
136 - #151 Ext. Float 53M BBLS	(D)(136)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 137 - #152 Int. Float 61M BBL						
137 - #152 Int. Float 61M BBL	(D)(137)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
137 - #152 Int. Float 61M BBL	(D)(137)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T001 (MACT Group 1, Internal Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 138 - #153 Ext. Float 53M BBLS						
138 - #153 Ext. Float 53M BBLS	(D)(138)(001)	[25 Pa. Code §127.441]	Emission Restriction	Total VOC emissions from this source shall not exceed 0.7 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
138 - #153 Ext. Float 53M BBLS	(D)(138)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
138 - #153 Ext. Float 53M BBLS	(D)(138)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
138 - #153 Ext. Float 53M BBLS	(D)(138)(002)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall keep records of type of material, and throughput on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
138 - #153 Ext. Float 53M BBLS	(D)(138)(002)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall calculate VOC emissions from this tank, using a Department approved method, to demonstrate compliance with the 12 consecutive month total.	Facility policies, procedures, and operating practices are in place to ensure compliance. EPA Tanks Program is used to determine VOC emissions.	Continuous
138 - #153 Ext. Float 53M BBLS	(D)(138)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
138 - #153 Ext. Float 53M BBLS	(D)(138)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
138 - #153 Ext. Float 53M BBLS	(D)(138)(003)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 139 - #154A Int. Float 105M BBLS						
139 - #154A Int. Float 105M BBLS	(D)(139)(001)	[25 Pa. Code §127.441]	Emission Restriction	Total VOC emissions from this source shall not exceed 4.0 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
139 - #154A Int. Float 105M BBLS	(D)(139)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
139 - #154A Int. Float 105M BBLS	(D)(139)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
139 - #154A Int. Float 105M BBLS	(D)(139)(002)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Throughput type, and amount, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
139 - #154A Int. Float 105M BBLS	(D)(139)(003)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall calculate VOC emissions from this tank, using a Department approved method, to demonstrate compliance with the 12 consecutive month total.	Facility policies, procedures, and operating practices are in place to ensure compliance. EPA Tanks Program is used to determine VOC emissions.	Continuous
139 - #154A Int. Float 105M BBLS	(D)(139)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
139 - #154A Int. Float 105M BBLS	(D)(139)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
139 - #154A Int. Float 105M BBLS	(D)(139)(004)	[25 Pa. Code §127.441]	Additional Requirements	Additional applicable requirements for this source can be found in Source T007 (Internal Floating Roof NSPS Kb Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 140 - #155 Int. Float 63M BBLS						
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
140 - #155 Int. Float 63M BBLS	(D)(140)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T001 (MACT Group 1, Internal Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 141 - #156 Ext. Float 53M BBLS						
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
141 - #156 Ext. Float 53M BBLS	(D)(141)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 142 - #157 Ext. Float 77M BBLS						
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
142 - #157 Ext. Float 77M BBLS	(D)(142)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 143 - #159 Ext. Float 79M BBLS						
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
143 - #159 Ext. Float 79M BBLS	(D)(143)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 144 - #161 Ext. Float 86M BBLS						
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
144 - #161 Ext. Float 86M BBLS	(D)(144)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 145 - #162 Ext. Float 82M BBLS						
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
145 - #162 Ext. Float 82M BBLS	(D)(145)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 146 - #163 Ext. Float 82M BBLS						
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
146 - #163 Ext. Float 82M BBLS	(D)(146)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 147 - #164 Ext. Float 83M BBLS						
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
147 - #164 Ext. Float 83M BBLS	(D)(147)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 148 - #165 Ext. Float 82M BBLS						
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
148 - #165 Ext. Float 82M BBLS	(D)(148)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 149 - #166 Ext. Float 83M BBLS						
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
149 - #166 Ext. Float 83M BBLS	(D)(149)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 150 - #168 Int. Float 79M BBLS						
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
150 - #168 Int. Float 79M BBLS	(D)(150)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T001 (MACT Group 1, Internal Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 151 - #169 Ext. Float 78M BBLS						
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
151 - #169 Ext. Float 78M BBLS	(D)(151)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 152 - #170 Ext. Float 71M BBLS						
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
152 - #170 Ext. Float 71M BBLS	(D)(152)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T005 (External Floating Roof, NSPS Kb Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 153 - #171 Int. Float 83M BBLS						
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
153 - #171 Int. Float 83M BBLS	(D)(153)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T001 (MACT Group 1, Internal Floating Roof Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 154 - #172 Ext. Float 81M BBLS						
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
154 - #172 Ext. Float 81M BBLS	(D)(154)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 155 - #174 Ext. Float 154M BBLS						
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
155 - #174 Ext. Float 154M BBLS	(D)(155)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 156 - #175 Ext. Float 151M BBLS						
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
156 - #175 Ext. Float 151M BBLS	(D)(156)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 157 - #178 Ext. Float 80M BBLS						
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
157 - #178 Ext. Float 80M BBLS	(D)(157)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 160 - #181 Ext. Float 129M BBLS						
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
160 - #181 Ext. Float 129M BBLS	(D)(160)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 161 - #182 Ext. Float 129M BBLS						
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
161 - #182 Ext. Float 129M BBLS	(D)(161)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 162 - #184 Ext. Float 26M BBLS						
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
162 - #184 Ext. Float 26M BBLS	(D)(162)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T005 (External Floating Roof, NSPS Kb Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 163 - #185 Ext. Float 150M BBLS						
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
163 - #185 Ext. Float 150M BBLS	(D)(163)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 164 - #186 Ext. Float 151M BBLS						
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
164 - #186 Ext. Float 151M BBLS	(D)(164)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 165 - #93 Ext. Float 244M BBL						
165 - #93 Ext. Float 244M BBL	(D)(165)(001)	[25 Pa. Code §127.441]	Emission Restriction	Total VOC emissions from this source shall not exceed 6.5 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
165 - #93 Ext. Float 244M BBL	(D)(165)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
165 - #93 Ext. Float 244M BBL	(D)(165)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
165 - #93 Ext. Float 244M BBL	(D)(165)(002)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) Throughput type and amount shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
165 - #93 Ext. Float 244M BBL	(D)(165)(002)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall calculate VOC emissions from this tank, using a Department approved method, to demonstrate compliance with the 12 consecutive month total.	Facility policies, procedures, and operating practices are in place to ensure compliance. EPA Tanks Program is used to determine VOC emissions.	Continuous
165 - #93 Ext. Float 244M BBL	(D)(165)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
165 - #93 Ext. Float 244M BBL	(D)(165)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
165 - #93 Ext. Float 244M BBL	(D)(165)(003)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 ((MACT Group 1, External Floating Roof Tanks), and T005 (External Floating Roof, NSPS Kb Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 166 - #94 Ext. Float 243M BBL						
166 - #94 Ext. Float 243M BBL	(D)(166)(001)	[25 Pa. Code §127.441]	Emission Restriction	Total VOC emissions from this source shall not exceed 6.5 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
166 - #94 Ext. Float 243M BBL	(D)(166)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
166 - #94 Ext. Float 243M BBL	(D)(166)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
166 - #94 Ext. Float 243M BBL	(D)(166)(002)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Throughput type, and amount, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
166 - #94 Ext. Float 243M BBL	(D)(166)(003)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall calculate VOC emissions from this tank, using a Department approved method, to demonstrate compliance with the 12 consecutive month total.	Facility policies, procedures, and operating practices are in place to ensure compliance. EPA Tanks Program is used to determine VOC emissions.	Continuous
166 - #94 Ext. Float 243M BBL	(D)(166)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
166 - #94 Ext. Float 243M BBL	(D)(166)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
166 - #94 Ext. Float 243M BBL	(D)(166)(004)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 ((MACT Group 1, External Floating Roof Tanks), and T005 (External Floating Roof, NSPS Kb Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 180 - #54 Cone Roof TK 54M BBLS						
180 - #54 Cone Roof TK 54M BBLS	(D)(180)(001)	[25 Pa. Code §127.441]	Emission Restriction	VOC emissions from Tank 54 (Source ID 180) shall not exceed 3.59 tons per 12-month rolling sum, calculated on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
180 - #54 Cone Roof TK 54M BBLS	(D)(180)	None	Additional Requirements	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 190 - #134 Int. Float 15M BBLS						
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
190 - #134 Int. Float 15M BBLS	(D)(190)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T007 (Internal Floating Roof NSPS Kb Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 194 - #160 Int. Float 85M BBLS						
194 - #160 Int. Float 85M BBLS	(D)(194)(001)	[25 Pa. Code §127.441]	Emission Restriction	VOC emissions from this source shall not exceed 0.3 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
194 - #160 Int. Float 85M BBLS	(D)(194)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
194 - #160 Int. Float 85M BBLS	(D)(194)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor and record the volatile organic liquid throughput for this storage vessel each month.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
194 - #160 Int. Float 85M BBLS	(D)(194)(003)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep records of (a) The volatile organic liquid throughput for this storage vessel on a monthly basis	Facility policies, procedures, and operating practices are in place to ensure compliance. EPA Tanks Program is used to determine VOC emissions.	Continuous
194 - #160 Int. Float 85M BBLS	(D)(194)(003)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) VOC emissions from this tank, calculated using the Department approved method, on a monthly basis and the 12 rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
194 - #160 Int. Float 85M BBLS	(D)(194)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
194 - #160 Int. Float 85M BBLS	(D)(194)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
194 - #160 Int. Float 85M BBLS	(D)(194)(004)(a)	[25 Pa. Code §127.441]	Additional Requirements	(a) Additional applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
194 - #160 Int. Float 85M BBLS	(D)(194)(004)(b)	[25 Pa. Code §127.441]	Additional Requirements	(b) To be exempt from the Provisions of 40 C.F.R. 60 Subparts A and Kb, and 25 Pa. Code §129.56, the storage vessel shall only store volatile organic liquids with a maximum true vapor pressure less than 0.5 psia.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(001)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Control Device Efficiencies Restriction	(1) When a valve leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in 40 C.F.R. §60.482-9a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(001)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Control Device Efficiencies Restriction	(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(002)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Control Device Efficiencies Restriction	As per 40 CFR §60.482-10a (a) If closed vent systems and control devices are used to comply with provisions of 40 CFR 60 Subpart GGGa, the permittee shall comply with the provisions of 40 CFR §60.482-7a.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(002)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Control Device Efficiencies Restriction	(b) As per 40 CFR §60.482-10a(d), flares shall comply with the requirements of 40 CFR §60.18.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(002)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Control Device Efficiencies Restriction	(c) As per 40 CFR §60.482-10a(e), the permittee shall monitor the flares to ensure that they are operated and maintained in conformance with their designs.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(002)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Control Device Efficiencies Restriction	(d) As per 40 CFR §60.482-10a(m), closed vent systems and control devices used to comply with provisions of 40 CFR 60 Subpart GGGa shall be operated at all times when emissions may be vented to them.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	As per 40 CFR §60.485a, (a) The permittee shall, in conducting the performance tests required in 40 CFR §60.8, use as reference methods and procedures the test methods in appendix A of 40 CFR 60 or other methods and procedures as specified in 40 CFR §60.485a, except as provided in 40 CFR §60.8(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(b) The permittee shall determine compliance with the standards in 40 CFR §§60.482-1a through 60.482-10a, 60.483a, and 60.484a as follows:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(b)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(1) Method 21 shall be used to determine the presence of leaking sources. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 of appendix A-7 of 40 CFR 60. The following calibration gases shall be used:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(b)(1)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(i) Zero air (less than 10 ppm of hydrocarbon in air); and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(003)(b)(1)(ii)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(ii) A mixture of methane or n-hexane and air at a concentration no more than 2,000 ppm greater than the leak definition concentration of the equipment monitored. If the monitoring instrument's design allows for multiple calibration scales, then the lower scale shall be calibrated with a calibration gas that is no higher than 2,000 ppm above the concentration specified as a leak, and the highest scale shall be calibrated with a calibration gas that is approximately equal to 10,000 ppm. If only one scale on an instrument will be used during monitoring, the permittee need not calibrate the scales that will not be used during that day's monitoring.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(b)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) A calibration drift assessment shall be performed, at a minimum, at the end of each monitoring day. Check the instrument using the same calibration gas(es) that were used to calibrate the instrument before use. Follow the procedures specified in Method 21 of appendix A-7 of 40 CFR 60, Section 10.1, except do not adjust the meter readout to correspond to the calibration gas value. Record the instrument reading for each scale used as specified in 40 CFR §60.486a(e)(7). Calculate the average algebraic difference between the three meter readings and the most recent calibration value. Divide this algebraic difference by the initial calibration value and multiply by 100 to express the calibration drift as a percentage. If any calibration drift assessment shows a negative drift of more than 10 percent from the initial calibration value, then all equipment monitored since the last calibration with instrument readings below the appropriate leak definition and above the leak definition multiplied by (100 minus the percent of negative drift/divided by 100) must be re-monitored. If any calibration drift assessment shows a positive drift of more than 10 percent from the initial calibration value, then, at the owner/operator's discretion, all equipment since the last calibration with instrument readings above the appropriate leak definition and below the leak definition multiplied by (100 plus the percent of positive drift/divided by 100) may be re-monitored.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
215 - NSPS New Fugitive Equipment	(D)(215)(003)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(c) The permittee shall determine compliance with the no-detectable- emission standards in 40 CFR §§60.482-2a(e), 60.482-3a(i), 60.482-4a, 60.482-7a(f), and 60.482-10a(e) as follows:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(c)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(1) The requirements of 40 CFR §60.485a(b) shall apply.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(c)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) Method 21 of appendix A-7 of 40 CFR 60 shall be used to determine the background level. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(d) The permittee shall test each piece of equipment unless he demonstrates that a process unit is not in VOC service, i.e., that the VOC content would never be reasonably expected to exceed 10 percent by weight. For purposes of this demonstration, the following methods and procedures shall be used:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(003)(d)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(1) Procedures that conform to the general methods in ASTM E260-73, 91, or 96, E168-67, 77, or 92, E169-63, 77, or 93 (incorporated by reference-see 40 CFR §60.17) shall be used to determine the percent VOC content in the process fluid that is contained in or contacts a piece of equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(d)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) Organic compounds that are considered by the Department to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(d)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(3) Engineering judgment may be used to estimate the VOC content, if a piece of equipment had not been shown previously to be in service. If the Department disagrees with the judgment, 40 CFR §60.485a(d)(1) and (2) shall be used to resolve the disagreement.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(e) The permittee shall demonstrate that a piece of equipment is in light liquid service by showing that all the following conditions apply:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(e)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(1) The vapor pressure of one or more of the organic components is greater than 0.3 kPa at 20°C (1.2 in. H2O at 68°F). Standard reference texts or ASTM D2879-83, 96, or 97 (incorporated by reference-see 40 CFR §60.17) shall be used to determine the vapor pressures.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(e)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) The total concentration of the pure organic components having a vapor pressure greater than 0.3 kPa at 20°C (1.2 in. H2O at 68 °F) is equal to or greater than 20 percent by weight.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(e)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(3) The fluid is a liquid at operating conditions.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(f) Samples used in conjunction with 40 CFR §60.485a(d), (e), and (g) shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(g) The permittee shall determine compliance with the standards of flares as follows:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(1) Method 22 of appendix A-7 of 40 CFR 60 shall be used to determine visible emissions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) A thermocouple or any other equivalent device shall be used to monitor the presence of a pilot flame in the flare.	Facility policies, procedures, and operating practices are in place to ensure compliance.	continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(3) The maximum permitted velocity for air assisted flares shall be computed using the following equation: Vmax = K1 + K2 HT Where: Vmax = Maximum permitted velocity, m/sec (ft/sec). HT = Net heating value of the gas being combusted, MJ/scm (Btu/scf). K1 = 8.706 m/sec (metric units) = 28.56 ft/sec (English units). K2 = 0.7084 m4/(MJ-sec) (metric units) = 0.087 ft4/(Btu-sec) (English units).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(4) The net heating value (HT) of the gas being combusted in a flare shall be computed using the following equation: Ht = K Sum(CiHi) (i = 1 through n) Where: K = Conversion constant, 1.740 x 10-7 (g- mole)(MJ)/(ppm-scm-kcal) (metric units) = 4.674 x 10-6 [(g- mole)(Btu)/(ppm-scf-kcal)] (English units). Ci = Concentration of sample component "i," ppm Hi = net heat of combustion of sample component "i" at 25°C and 760 mm Hg (77°F and 14.7 psi), kcal/g-mole.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(5) Method 18 of appendix A-6 of 40 CFR 60 or ASTM D6420-99 (2004) (where the target compound(s) are those listed in Section 1.1 of ASTM D6420-99, and the target concentration is between 150 parts per billion by volume and 100 ppmv) and ASTM D2504-67, 77, or 88 (Reapproved 1993) (incorporated by reference-see 40 CFR §60.17) shall be used to determine the concentration of sample component "i."	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(6)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(6) ASTM D2382-76 or 88 or D4809-95 (incorporated by reference-see 40 CFR §60.17) shall be used to determine the net heat of combustion of component "i" if published values are not available or cannot be calculated.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(003)(g)(7)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(7) Method 2, 2A, 2C, or 2D of appendix A-7 of 40 CFR 60 as appropriate, shall be used to determine the actual exit velocity of a flare. If needed, the unobstructed (free) cross-sectional area of the flare tip shall be used.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(h) The owner or operator shall determine compliance with 40 CFR §60.483-1a or §60.483-2a as follows: (1) The percent of valves leaking shall be determined using the following equation: %VL = (VL / VT) * 100 Where: %VL = Percent leaking valves. VL = Number of valves found leaking. VT = The sum of the total number of valves monitored.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(2) The total number of valves monitored shall include difficult-to-monitor and unsafe-to-monitor valves only during the monitoring period in which those valves are monitored.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(3) The number of valves leaking shall include valves for which repair has been delayed.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(4) Any new valve that is not monitored within 30 days of being placed in service shall be included in the number of valves leaking and the total number of valves monitored for the monitoring period in which the valve is placed in service.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(5) If the process unit has been subdivided in accordance with 40 CFR §60.482-7a(c)(1)(ii), the sum of valves found leaking during a monitoring period includes all subgroups.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(003)(h)(6)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Testing Requirements	(6) The total number of valves monitored does not include a valve monitored to verify repair.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(004)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(a) As per 40 CFR §60.482-2a(a), (1) Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 CFR §60.485a(b), except as provided in 40 CFR §60.482-1a(c) and (f) and 40 CFR §60.482-2a(d), (e), and (f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal, except as provided in 40 CFR §60.482-1a(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(004)(b)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(b) As per 40 CFR §60.482-2a(b). (1) The instrument reading that defines a leak is specified below. (i) 5,000 parts per million (ppm) or greater for pumps handling polymerizing monomers; (ii) 2,000 ppm or greater for all other pumps.	Facility policies, procedures, and operating practices are in place to ensure compliance.	5000ppm NA, Continuous for 2000ppm
215 - NSPS New Fugitive Equipment	(D)(215)(004)(b)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) If there are indications of liquids dripping from the pump seal, the permittee shall follow the procedure specified in either paragraph (i) or (ii) below. This requirement does not apply to a pump that was monitored after a previous weekly inspection and the instrument reading was less than the concentration specified in paragraph (b)(1)(i) or (ii) above, whichever is applicable. (i) Monitor the pump within 5 days as specified in 40 CFR §60.485a(b). A leak is detected if the instrument reading measured during monitoring indicates a leak as specified in paragraph (b)(1)(i) or (ii) above, whichever is applicable. The leak shall be repaired using the procedures in 40 CFR §60.482-2a(c). (ii) Designate the visual indications of liquids dripping as a leak, and repair the leak using either the procedures in 40 CFR §60.482-2a(c) or by eliminating the visual indications of liquids dripping.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(c)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(c) As per §60.482-2a(c). (1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR §60.482-9a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(c)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. First attempts at repair include, but are not limited to, the practices described below, where practicable. (i) Tightening the packing gland nuts; (ii) Ensuring that the seal flush is operating at design pressure and temperature.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(d) As per 40 CFR §60.482-2a(d), each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of 40 CFR §60.482-2a(a), provided the requirements specified below are met.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) Each dual mechanical seal system is: (i) Operated with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or (ii) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR §60.482-10a; or (iii) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) The barrier fluid system is in heavy liquid service or is not in VOC service.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(3) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(4)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(4) (i) Each pump is checked by visual inspection, each calendar week, for indications of liquids dripping from the pump seals.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(4)(ii)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(ii) If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the permittee shall follow the procedure specified in either paragraph (A) or (B) below prior to the next required inspection. (A) Monitor the pump within 5 days as specified in 40 CFR §60.485a(b) to determine if there is a leak of VOC in the barrier fluid. If an instrument reading of 2,000 ppm or greater is measured, a leak is detected. (B) Designate the visual indications of liquids dripping as a leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(5) (i) Each sensor as described in 40 CFR §60.482-2a(d)(3) is checked daily or is equipped with an audible alarm. (ii) The permittee determines, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. (iii) If the sensor indicates failure of the seal system, the barrier fluid system, or both, based on the criterion established in 40 CFR §60.482-2a(d)(5)(ii), a leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(d)(6)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(6) (i) When a leak is detected pursuant to 40 CFR §60.482-2a(d)(4)(ii)(A), it shall be repaired as specified in 40 CFR §60.482-2a(c). (ii) A leak detected pursuant to 40 CFR §60.482-2a(d)(5)(iii)-shall be repaired within 15 days of detection by eliminating the conditions that activated the sensor. (iii) A designated leak pursuant to 40 CFR §60.482-2a(d)(4)(ii)(B) shall be repaired within 15 days of detection by eliminating visual indications of liquids dripping.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(e) 40 CFR §60.482-2a(e), any pump that is designated, as described in 40 CFR §60.486a(e)(1) and (2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of 40 CFR §60.482-2a(a), (c), and (d) if the pump:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(e)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) Has no externally actuated shaft penetrating the pump housing;	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(e)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) Is demonstrated to be operating with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background as measured by the methods specified in 40 CFR §60.485a(c); and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(e)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(3) Is tested for compliance with 40 CFR §60.482-2a(e)(2) initially upon designation, annually, and at other times requested by the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(004)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(f) As per 40 CFR §60.482-2a(f), if any pump is equipped with a closed vent system capable of capturing and transporting any leakage from the seal or seals to a process or to a fuel gas system or to a control device that complies with the requirements of 40 CFR §60.482-10a, it is exempt from 40 CFR §60.482-2a (a) through (e)	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(004)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(g) As per 40 CFR §60.482-2a(g), any pump that is designated, as described in 40 CFR §60.486a(f)(1), as an unsafe-to-monitor pump is exempt from the monitoring and inspection requirements of 40 CFR §60.482-2a(a) and (d)(4) through (6) if:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(004)(g)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) The permitteeo of the pump demonstrates that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR §60.482-2a(a); and	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(004)(g)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) The permittee of the pump has a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in 40 CFR §60.482-2a(c) if a leak is detected.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(004)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(h) As per 40 CFR §60.482-2a(h), any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of 40 CFR §60.482-2a(a)(2) and (d)(4), and the daily requirements of 40 CFR §60.482-2a(d)(5), provided that each pump is visually inspected as often as practicable and at least monthly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(005)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(a) As per §60.482-7a (1) Each valve shall be monitored monthly to detect leaks by the methods specified in 40 CFR §60.485a(b) and shall comply with 40 CFR §60.482-7a(b) through (e), except as provided in 40 CFR §§60.482-7a(f), (g), and (h), §60.482-1a(c) and (f), and 60.483-1a and 60.483-2a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
215 - NSPS New Fugitive Equipment	(D)(215)(005)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) A valve that begins operation in gas/vapor service or light liquid service after the initial startup date for the process unit must be monitored according to paragraphs (i) or (ii) below, except for a valve that replaces a leaking valve and except as provided 40 CFR §§60.482-7a(f), (g), and (h), 60.482-1a(c), and 60.483-1a and 60.483-2a. (i) Monitor the valve as in 40 CFR §60.482-7a(a)(1). The valve must be monitored for the first time within 30 days after the end of its startup period to ensure proper installation. (ii) If the existing valves in the process unit are monitored in accordance with 40 CFR 60.483-1a or 60.483-2a, count the new valve as leaking when calculating the percentage of valves leaking as described in 40 CFR §60.483-2a(b)(5). If less than 2.0 percent of the valves are leaking for that process unit, the valve must be monitored for the first time during the next scheduled monitoring event for existing valves in the process unit or within 90 days, whichever comes first.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
215 - NSPS New Fugitive Equipment	(D)(215)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(b) If an instrument reading of 500 ppm or greater is measured, a leak is detected.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(005)(c)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(c) (1) (i) Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected. (ii) As an alternative to monitoring all of the valves in the first month of a quarter, the permittee may elect to subdivide the process unit into two or three subgroups of valves and monitor each subgroup in a different month during the quarter, provided each subgroup is monitored every 3 months. The permittee must keep records of the valves assigned to each subgroup.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(c)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(d)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(d) (1) When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in 40 CFR §60.482-9a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(d)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(e) First attempts at repair include, but are not limited to, the following best practices where practicable:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(e)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) Tightening of bonnet bolts;	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(e)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) Replacement of bonnet bolts;	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(e)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(3) Tightening of packing gland nuts;	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(e)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(4) Injection of lubricant into lubricated packing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

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Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(005)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(f) Any valve that is designated, as described in 40 CFR §60.486a(e)(2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of 40 CFR §60.482-7a(a) if the valve:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(f)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) Has no external actuating mechanism in contact with the process fluid,	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(f)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) Is operated with emissions less than 500 ppm above background as determined by the method specified in 40 CFR §60.485a(c), and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(f)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(3) Is tested for compliance with 40 CFR §60.482-7a(f)(2) initially upon designation, annually, and at other times requested by the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(g) Any valve that is designated, as described in 40 CFR §60.486a(f)(1), as an unsafe-to-monitor valve is exempt from the requirements of 40 CFR §60.482-7a(a)if:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(g)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(1) The permittee of the valve demonstrates that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR §60.482-7a(a), and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(g)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(2) The permittee of the valve adheres to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(005)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Monitoring Requirements	(h) Any valve that is designated, as described in 40 CFR §60.486a(f)(2), as a difficult-to-monitor valve is exempt from the requirements of 40 CFR §60.482-7a(a) if: (1) The permittee of the valve demonstrates that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface. (2) The process unit within which the valve is located has less than 3.0 percent of its total number of valves designated as difficult-to-monitor by the permittee. (3) The permittee of the valve follows a written plan that requires monitoring of the valve at least once per calendar year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(006)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	As per 40 CFR §60.486a, (a) The permittee (1) shall comply with the recordkeeping requirements of 40 CFR §60.486a.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(006)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(2) may comply with the recordkeeping requirements for these facilities in one recordkeeping system if the system identifies each record by each facility, if more than one affected facility are subject to the provisions of 40 CFR 60 Subpart GGGa.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(006)(a)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(3) shall record the information specified below for each monitoring event required by 40 CFR §§60.482-2a, 60.482-3a, 60.482-7a, 60.482-8a, and 60.483-2a. (i) Monitoring instrument identification. (ii) Operator identification. (iii) Equipment identification. (iv) Date of monitoring. (v) Instrument reading.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(b)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(b) When each leak is detected as specified in 40 CFR §§60.482-2a, 60.482-3a, 60.482-7a, 60.482-8a, and 60.483-2a, the following requirements apply: (1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(b)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(2) The identification on a valve may be removed after it has been monitored for 2 successive months as specified in 40 CFR §60.482-7a(c) and no leak has been detected during those 2 months.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(b)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(3) The identification on equipment, except on a valve or connector, may be removed after it has been repaired.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(c) When each leak is detected as specified in 40 CFR §§60.482-2a, 60.482-3a, 60.482-7a, 60.482-8a, and 60.483-2a, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location: (1) The instrument and operator identification numbers and the equipment identification number, except when indications of liquids dripping from a pump are designated as a leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(2) The date the leak was detected and the dates of each attempt to repair the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(3) Repair methods applied in each attempt to repair the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(4) Maximum instrument reading measured by Method 21 of appendix A-7 of 40 CFR 60 at the time the leak is successfully repaired or determined to be nonrepairable, except when a pump is repaired by eliminating indications of liquids dripping.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(6)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(6) The signature of the permittee (or designate) whose decision it was that repair could not be effected without a process shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(7)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(7) The expected date of successful repair of the leak if a leak is not repaired within 15 days.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(8)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(8) Dates of process unit shutdowns that occur while the equipment is unrepaired.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(c)(9)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(9) The date of successful repair of the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(d)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(d) The following information pertaining to the design requirements for closed vent systems and control devices described in 40 CFR §60.482-10a shall be recorded and kept in a readily accessible location: (1) Detailed schematics, design specifications, and piping and instrumentation diagrams.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(d)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(2) The dates and descriptions of any changes in the design specifications.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(d)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(3) A description of the parameter or parameters monitored, as required in 40 CFR §60.482-10a(e) , to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(006)(d)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(4) Periods when the closed vent systems and control devices required in 40 CFR §§60.482-2a, 60.482-3a, 60.482-4a, and 60.482-5a are not operated as designed, including periods when a flare pilot light does not have a flame.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(d)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(5) Dates of startups and shutdowns of the closed vent systems and control devices required in 40 CFR §§60.482-2a, 60.482-3a, 60.482-4a, and 60.482-5a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(e) The following information pertaining to all equipment subject to the requirements in 40 CFR §§60.482-1a to 60.482-10a shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for equipment subject to the requirements of 40 CFR 60 Subpart GGGa.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(2) (i) A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of 40 CFR §§60.482-2a(e), 60.482-3a(i), and 60.482-7a(f). (ii) The designation of equipment as subject to the requirements of 40 CFR §60.482-2a(e), §60.482-3a(i), or §60.482-7a(f) shall be signed by the permittee. Alternatively, the permittee may establish a mechanism with their permitting authority that satisfies this requirement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(3) A list of equipment identification numbers for pressure relief devices required to comply with 40 CFR §60.482-4a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(4) (i) The dates of each compliance test as required in 40 CFR §§60.482-2a(e), 60.482-3a(i), 60.482-4a, and 60.482-7a(f). (ii) The background level measured during each compliance test. (iii) The maximum instrument reading measured at the equipment during each compliance test.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(5) A list of identification numbers for equipment in vacuum service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(6)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(6) A list of identification numbers for equipment that the permittee designates as operating in VOC service less than 300 hr/yr in accordance with 40 CFR §60.482-1a(e), a description of the conditions under which the equipment is in VOC service, and rationale supporting the designation that it is in VOC service less than 300 hr/yr.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(7)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(7) The date and results of the weekly visual inspection for indications of liquids dripping from pumps in light liquid service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(8)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(8) Records of the information specified in below for monitoring instrument calibrations conducted according to sections 8.1.2 and 10 of Method 21 of appendix A-7 of 40 CFR 60 and 40 CFR §60.485a(b). (i) Date of calibration and initials of operator performing the calibration. (ii) Calibration gas cylinder identification, certification date, and certified concentration. (iii) Instrument scale(s) used. (iv) A description of any corrective action taken if the meter readout could not be adjusted to correspond to the calibration gas value in accordance with section 10.1 of Method 21 of appendix A-7 of 40 CFR 60. (v) Results of each calibration drift assessment required by 40 CFR §60.485a(b)(2) (i.e., instrument reading for calibration at end of monitoring day and the calculated percent difference from the initial calibration value). (vi) If the permittee makes their own calibration gas, a description of the procedure used.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(e)(10)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(10) Records of each release from a pressure relief device subject to 40 CFR §60.482-4a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(f) The following information pertaining to all valves subject to the requirements of 40 CFR §60.482-7a(g) and (h), all pumps subject to the requirements of 40 CFR §60.482-2a(g) shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for valves, pumps, and connectors that are designated as unsafe-to-monitor, an explanation for each valve, pump, or connector stating why the valve, pump, or connector is unsafe-to-monitor, and the plan for monitoring each valve, pump, or connector. (2) A list of identification numbers for valves that are designated as difficult-to-monitor, an explanation for each valve stating why the valve is difficult-to-monitor, and the schedule for monitoring each valve.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(g) The following information shall be recorded for valves complying with 40 CFR §60.483-2a: (1) A schedule of monitoring. (2) The percent of valves found leaking during each monitoring period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(h) The following information shall be recorded in a log that is kept in a readily accessible location: (1) Design criterion required in 40 CFR §§60.482-2a(d)(5) and 60.482-3a(e)(2) and explanation of the design criterion; and (2) Any changes to this criterion and the reasons for the changes.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(i) The following information shall be recorded in a log that is kept in a readily accessible location for use in determining exemptions as provided in 40 CFR §60.480a(d): (1) An analysis demonstrating the design capacity of the affected facility, (2) A statement listing the feed or raw materials and products from the affected facilities and an analysis demonstrating whether these chemicals are heavy liquids or beverage alcohol, and (3) An analysis demonstrating that equipment is not in VOC service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(006)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(j) Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log that is kept in a readily accessible location.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(006)(k)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(k) The provisions of 40 CFR §60.7(b) and (d) do not apply to affected facilities subject to 40 CFR 60 Subpart GGGa.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	As per 40 CFR §60.482-10a(l), the permittee shall keep records with the information specified below: (a) Identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(b) Identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(007)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(c) For each inspection during which a leak is detected, a record of the information specified in 40 CFR §60.486a(c).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(007)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(d) For each inspection conducted in accordance with 40 CFR §60.485a(b) during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(007)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Recordkeeping Requirements	(e) For each visual inspection conducted in accordance with 40 CFR §60.482-7a(f)(1)(ii) during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(008)	[25 Pa. Code §127.441]	Reporting Requirements	This source is subject to Subpart GGGa of Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of the Subpart. 40 CFR §§60.4 requires submission of copies of all requests, reports, applications, submittals, and other communications to both EPA and the Department. The EPA copies shall be forwarded to: Air Protection Division U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(009)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	As per 40 CFR §60.487a, (a) The permittee submit semiannual reports to the Department beginning 6 months after the initial startup date.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(b)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(b) The initial semiannual report to the Department shall include the following information: (1) Process unit identification.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(b)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(2) Number of valves subject to the requirements of 40 CFR §60.482-7a, excluding those valves designated for no detectable emissions under the provisions of 40 CFR §60.482-7a(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(b)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(3) Number of pumps subject to the requirements of 40 CFR §60.482-2a, excluding those pumps designated for no detectable emissions under the provisions of 40 CFR §60.482-2a(e) and those pumps complying with 40 CFR §60.482-2a(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(b)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(4) Number of compressors subject to the requirements of 40 CFR §60.482-3a, excluding those compressors designated for no detectable emissions under the provisions of 40 CFR §60.482-3a(i) and those compressors complying with 40 CFR §60.482-3a(h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(c)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(c) All semiannual reports to the Department shall include the following information, summarized from the information in 40 CFR §60.486a: (1) Process unit identification.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(c)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(2) For each month during the semiannual reporting period, (i) Number of valves for which leaks were detected as described in 40 CFR §60.482-7a(b) or 40 CFR §60.483-2a, (ii) Number of valves for which leaks were not repaired as required in 40 CFR §60.482-7a(d)(1), (iii) Number of pumps for which leaks were detected as described in 40 CFR §60.482-2a(b), (d)(4)(ii)(A) or (B), or (d)(5)(iii), (iv) Number of pumps for which leaks were not repaired as required in 40 CFR §60.482-2a(c)(1) and (d)(6), (v) Number of compressors for which leaks were detected as described in 40 CFR §60.482-3a(f), (vi) Number of compressors for which leaks were not repaired as required in 40 CFR §60.482-3a(g)(1), As per 40 CFR §60.487a(c)(2)(xi), the facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(009)(c)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(3) Dates of process unit shutdowns which occurred within the semiannual reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(c)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(4) Revisions to items reported according to 40 CFR §60.487a(b) if changes have occurred since the initial report or subsequent revisions to the initial report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(de) As per 40 CFR §60.487a(e), the permittee shall report the results of all performance tests in accordance with 40 CFR §60.8 of the General Provisions. The provisions of 40 CFR §60.8(d) do not apply, except that the permittee must notify the Department of the schedule for the initial performance tests at least 30 days before the initial performance tests.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(009)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Reporting Requirements	(ef) As per 40 CFR §60.487a(f), the requirements of 40 CFR §60.487a(a) through (c) remain in force until and unless EPA, in delegating enforcement authority to a state under section 111(c) of the CAA, approves reporting requirements or an alternative means of compliance surveillance adopted by such state. In that event, affected sources within the state will be relieved of the obligation to comply with the requirements of 40 CFR §60.487a(a) through (c), provided that they comply with the requirements established by the state.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(010)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-3a, (a) Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in 40 CFR 60.482-1a(c) and 60.482-3a(h), (i), and (j)	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) Each compressor seal system as required in 40 CFR §60.482-3a(a) shall be: (1) Operated with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or (2) Equipped with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR §60.482-10a; or (3) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) The barrier fluid system shall be in heavy liquid service or shall not be in VOC service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(d) Each barrier fluid system as described in 40 CFR §60.482-3a(a) shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(010)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(e) (1) Each sensor as required in 40 CFR §60.482-3a(d) shall be checked daily or shall be equipped with an audible alarm. (2) The permittee shall determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(f) If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 CFR §60.482-3a(e)(2), a leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(g) (1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR §60.482-9a. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(010)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(h) A compressor is exempt from the requirements of 40 CFR §60.482-3a(a) and (b), if it is equipped with a closed vent system to capture and transport leakage from the compressor drive shaft back to a process or fuel gas system or to a control device that complies with the requirements of 40 CFR §60.482-10a, except as provided in 40 CFR §60.482-3a(i)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(010)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(i) Any compressor that is designated, as described in 40 CFR §60.486a(e)(1) and (2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of 40 CFR §60.482-3a(a) through (h) if the compressor: (1) Is demonstrated to be operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the methods specified in 40 CFR §60.485a(c); and (2) Is tested for compliance with 40 CFR §60.482-3a(i)(1) initially upon designation, annually, and at other times requested by the Department.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(010)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(j) Any existing reciprocating compressor in a process unit which becomes an affected facility under provisions of 40 CFR §60.14 or -§60.15 is exempt from 40 CFR §60.482-3a(a) through (e) and (h), provided the permittee demonstrates that recasting the distance piece or replacing the compressor are the only options available to bring the compressor into compliance with the provisions of 40 CFR §60.482-3a(a) through (e) and (h)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(011)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-5a, (a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR §§60.482-1a(c) and 60.482-5a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(011)(b)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) Each closed-purge, closed-loop, or closed-vent system as required in 40 CFR §60.482-5a(a) shall comply with the requirements specified below: (1) Gases displaced during filling of the sample container are not required to be collected or captured.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(011)(b)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(2) Containers that are part of a closed- purge system must be covered or closed when not being filled or emptied.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(011)(b)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(3) Gases remaining in the tubing or piping between the closed-purge system valve(s) and sample container valve(s) after the valves are closed and the sample container is disconnected are not required to be collected or captured.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(011)(b)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(4) Each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements in either 40 CFR §60.482-5a (b)(4)(i), (ii), (iii), or (iv). (i) Return the purged process fluid directly to the process line. (ii) Collect and recycle the purged process fluid to a process. (iii) Capture and transport all the purged process fluid to a control device that complies with the requirements of 40 CFR §60.482-10a. (iv) Collect, store, and transport the purged process fluid to any of the following systems or facilities: (A) A waste management unit as defined in 40 CFR §63.111 , if the waste management unit is subject to and operated in compliance with the provisions of 40 CFR part 63, subpart G, applicable to Group 1 wastewater streams; (B) A treatment, storage, or disposal facility subject to regulation under 40 CFR part 262, 264, 265, or 266; (C) A facility permitted, licensed, or registered by a state to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR part 261; (D) A waste management unit subject to and operated in compliance with the treatment requirements of 40 CFR §61.348(a), provided all waste management units that collect, store, or transport the purged process fluid to the treatment unit are subject to and operated in compliance with the management requirements of 40 CFR 61.343 through 61.347; or (E) A device used to burn off-specification used oil for energy recovery in accordance with 40 CFR part 279, subpart G, provided the purged process fluid is not hazardous waste as defined in 40 CFR part 261.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(011)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) In-situ sampling systems and sampling systems without purges are exempt from the requirements of 40 CFR §60.482-5a (a) and (b).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(012)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-6a, (a) (1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR §60.482-1a(c), and 60.482-6a(d) and (e). (2) The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
215 - NSPS New Fugitive Equipment	(D)(215)(012)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(012)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with 40 CFR §60.482-6a(a) at all other times.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(012)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(d) Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of §60.482-6a (a), (b), and ©.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
215 - NSPS New Fugitive Equipment	(D)(215)(012)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(e) Open-ended valves or lines containing materials which would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in 40 CFR §60.482-6a(a) through (c)-are exempt from the requirements of 40 CFR §60.482-6a (a) through (c).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
215 - NSPS New Fugitive Equipment	(D)(215)(013)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-4a, (a) Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in 40 CFR §60.485a(c).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(013)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) (1) After each pressure release, the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after the pressure release, except as provided in 40 CFR §60.482-9a. (2) No later than 5 calendar days after the pressure release, the pressure relief device shall be monitored to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, by the methods specified in 40 CFR §60.485a(c).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(013)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage through the pressure relief device to a control device as described in 40 CFR §60.482-10a is exempted from the requirements of 40 CFR §60.482-4a(a) and (b).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(013)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(d) (1) Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of 40 CFR §60.482-4a(a) and (b), provided the permittee complies with the requirements in 40 CFR §60.482-4a(d)(2): (2) After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR §60.482-9a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(014)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-8a (a) If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps, valves, and connectors in heavy liquid service and pressure relief devices in light liquid or heavy liquid service, the permittee shall follow either one of the following procedures: (1) The permittee shall monitor the equipment within 5 days by the method specified in 40 CFR §60.485a(b) and shall comply with the requirements of 40 CFR §60.482-7a (b) through (d) (2) The permittee shall eliminate the visual, audible, olfactory, or other indication of a potential leak within 5 calendar days of detection.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(014)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(014)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) (1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR §60.482-9a. (2) The first attempt at repair shall be made no later than 5 calendar days after each leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(014)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(d) First attempts at repair include, but are not limited to, the best practices described under 40 CFR §§60.482-2a(c)(2) and 60.482-7a(e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(015)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	As per 40 CFR §60.482-9a (a) Delay of repair of equipment for which leaks have been detected will be allowed if repair within 15 days is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown. Monitoring to verify repair must occur within 15 days after startup of the process unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(015)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(b) Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not remain in VOC service.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(015)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(c) Delay of repair for valves and connectors will be allowed if: (1) The permittee demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair, and (2) When repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40 CFR §60.482-10a.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(015)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(d) Delay of repair for pumps will be allowed if: (1) Repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and (2) Repair is completed as soon as practicable, but not later than 6 months after the leak was detected.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(015)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(e) Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit shutdown will not be allowed unless the next process unit shutdown occurs sooner than 6 months after the first process unit shutdown.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(015)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(f) When delay of repair is allowed for a leaking pump, valve, or connector that remains in service, the pump, valve, or connector may be considered to be repaired and no longer subject to delay of repair requirements if two consecutive monthly monitoring instrument readings are below the leak definition.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(016)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(af) As per 40 CFR §60.482-10a(f), except as provided in 40 CFR §60.482-7a(i) through (k), the permittee shall conduct annual visual inspections for visible, audible, or olfactory indications of leaks for each closed vent system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(016)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(bg) As per 40 CFR §60.482-10a(g), leaks, as indicated by an instrument reading greater than 500 ppmv above background or by visual inspections, shall be repaired as soon as practicable except as provided in 40 CFR §60.482-7a(h). (1) A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. (2) Repair shall be completed no later than 15 calendar days after the leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(016)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(ch) As per 40 CFR §60.482-10a(h), delay of repair of a closed vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the permittee determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be complete by the end of the next process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(016)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(di) As per 40 CFR §60.482-10a(i), if a vapor collection system or closed vent system is operated under a vacuum, it is exempt from the inspection requirements of 40 CFR §60.482-7a(f)(1)(i) and (f)(2).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(016)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(ej) As per 40 CFR §60.482-10a(j), any parts of the closed vent system that are designated, as described in 40 CFR §60.482-7a(l)(1), as unsafe to inspect are exempt from the inspection requirements of 40 CFR §60.482-7a(f)(1)(i) and (f)(2) if they comply with the requirements specified below: (1) The permittee determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR §60.482-7a(f)(1)(i) or (f)(2); and (2) The permittee has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
215 - NSPS New Fugitive Equipment	(D)(215)(016)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Work Practice Requirements	(ik) As per 40 CFR §60.482-10a(k), any parts of the closed vent system that are designated, as described in 40 CFR §60.482-7a(l)(2), as difficult to inspect are exempt from the inspection requirements of 40 CFR §60.482-7a(f)(1)(i) and (f)(2) if they comply with the requirements specified below: (1) The permittee determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and (2) The process unit within which the closed vent system is located becomes an affected facility through 40 CFR §§60.14 or 60.15, or the permittee designates less than 3.0 percent of the total number of closed vent system equipment as difficult to inspect; and (3) The permittee has a written plan that requires inspection of the equipment at least once every 5 years. A closed vent system is exempt from inspection if it is operated under a vacuum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(017)	[25 Pa. Code §127.441]	Additional Requirements	The following specific process at the facility are subject to the leak detection and repair (LDAR) requirements specified in 40 C.F.R. 60, Subpart GGGa. Certain of these components may also be subject to 25 Pa. Code §129.58 and/or 40 C.F.R. 63, Subpart CC, as appropriate. In accordance with an alternative monitoring plan submitted by the permittee, and approved by the Department on August 24, 1998, a source that is subject to both the provisions of 25 Pa. Code §129.58 and 40 C.F.R. 60, Subpart GGGa, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of 40 C.F.R. 60, Subpart GGGa. Therefore, each component at the facility that is subject to an LDAR requirement under state or federal regulations complies with applicable LDAR standards by implementing an LDAR program consistent with the single, most stringent, designated regulatory program. The fugitive monitoring plan developed and maintained on-site by the permittee identifies which portions of each unit are subject to fugitive Sources IDs #114, 115, 128, or 215. This section of the permit identifies applicable standards for Source ID #215, which satisfies LDAR obligations through compliance with the provisions of 40 C.F.R. 60, Subpart GGGa. 543 Crude Unit 544 Crude Unit 544 Vacuum Unit Boiler 9 Boiler 10 Flare Gas Recovery VGO	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(018)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(~~a~~b) As per 40 CFR §60.482-1a(b), compliance with 40 CFR §§60.482-1a to 60.482-10a will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in 40 CFR §60.485a.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(018)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(~~b~~d) As per 40 CFR §60.482-1a(d), equipment that is in vacuum service is excluded from the requirements of 40 CFR §§60.482-2a through 60.482-10a if it is identified as required in 40 CFR §60.486a(e)(5).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(018)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(~~c~~e) As per 40 CFR §60.482-1a(e), equipment that the permittee designates as being in VOC service less than 300 hr/yr is excluded from the requirements of 40 CFR §§60.482-2a through 60.482-11a if it is identified as required in 40 CFR §60.486a(e)(6) and it meets any of the conditions specified in paragraphs (1) through (3) below. (1) The equipment is in VOC service only during startup and shutdown, excluding startup and shutdown between batches of the same campaign for a batch process. (2) The equipment is in VOC service only during process malfunctions or other emergencies. (3) The equipment is backup equipment that is in VOC service only when the primary equipment is out of service.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(018)(d)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(~~d~~f) As per 40 CFR §60.482-1a(f) (1) If a dedicated batch process unit operates less than 365 days during a year, the permittee~~an owner or operator~~ may monitor to detect leaks from pumps, valves, and open-ended valves or lines at the frequency specified in the following table instead of monitoring as specified in 40 CFR §§60.482-2a, 60.482-7a, and 60.483.2a: Operating time Equivalent monitoring frequency time (percent of hours during year) Monthly Quarterly Semiannually 0 to < 25 Quarterly Annually Annually 25 to < 50 Quarterly Semiannually Annually 50 to < 75 Bimonthly Three quarters Semiannually 75 to 100 Monthly Quarterly Semiannually	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 215 - NSPS New Fugitive Equipment						
215 - NSPS New Fugitive Equipment	(D)(215)(018)(d)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(2) Pumps and valves that are shared among two or more batch process units that are subject to this subpart may be monitored at the frequencies specified in 40 CFR §60.482-1a(f)(1), provided the operating time of all such process units is considered.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
215 - NSPS New Fugitive Equipment	(D)(215)(018)(d)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(3) The monitoring frequencies specified in 40 CFR §60.482-1a(f)(1) are not requirements for monitoring at specific intervals and can be adjusted to accommodate process operations. The permittee may monitor at any time during the specified monitoring period (e.g., month, quarter, year), provided the monitoring is conducted at a reasonable interval after completion of the last monitoring campaign. Reasonable intervals are defined below. (i) When monitoring is conducted quarterly, monitoring events must be separated by at least 30 calendar days. (ii) When monitoring is conducted semiannually (i.e., once every 2 quarters), monitoring events must be separated by at least 60 calendar days. (iii) When monitoring is conducted in 3 quarters per year, monitoring events must be separated by at least 90 calendar days. (iv) When monitoring is conducted annually, monitoring events must be separated by at least 120 calendar days.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(019)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	The permittee shall comply with (a) the requirements of 40 CFR §§60.482-1a to 60.482-10a	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(019)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(b) the provisions of 40 CFR §60.485a except as provided in 40 CFR §60.593a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
215 - NSPS New Fugitive Equipment	(D)(215)(019)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592a]	Additional Requirements	(c) the provisions of 40 CFR §§60.486a and 60.487a.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 300 - Miscellaneous MACT Group 2 Tanks						
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 300 - Miscellaneous MACT Group 2 Tanks						
300 - Miscellaneous MACT Group 2 Tanks	(D)(300)(002)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, this source consists of the following individual fixed roof storage tanks that are subject to MACT group 2 fixed roof tanks requirements: - DEP Source number 180, capacity - 54 M barrels - DEP Source number 181, capacity - 54 M barrels - DEP Source number 182, capacity - 54 M barrels - DEP Source number 195, capacity - 93 M barrels - DEP Source number 376A, capacity - 140 M barrels - DEP Source number T62, capacity - 10 M barrels - DEP Source number 184, capacity - 8 M barrels - DEP Source number T83, capacity - 500 barrels - DEP Source number T84, capacity - 1 M barrels - DEP Source number T143, capacity - 9 M barrels - DEP Source number T144, capacity - 9 M barrels - DEP Source number T145, capacity - 10 M barrels - DEP Source number T146, capacity - 10 M barrels - DEP Source number T147, capacity - 10 M barrels - DEP Source number T148, capacity - 10 M barrels - DEP Source number 193, capacity - 56 M barrels - DEP Source number T33T1, capacity - 500 barrels - DEP Source number T81, capacity - 300 barrels - DEP Source number T82, capacity - 516 barrels - DEP Source number TMET1, capacity - 150 barrels - Tank number 82TK2 - Tank number 312 - Tank number 313	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 501 - Spheroid 501 (1.26 MM GAL)						
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
501 - Spheroid 501 (1.26 MM GAL)	(D)(501)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T006.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 502 - Spheroid 502 (1.26 MM GAL)						
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
502 - Spheroid 502 (1.26 MM GAL)	(D)(502)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T006.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 513 - Spheroid 513 (1.26 MM GAL)						
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
513 - Spheroid 513 (1.26 MM GAL)	(D)(513)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T006.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 700 - Heat Exchange Systems						
700 - Heat Exchange Systems	(D)(700)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory Statement that imposes no compliance obligation and is thus not amenable to certification	N/A
700 - Heat Exchange Systems	(D)(700)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory Statement that imposes no compliance obligation and is thus not amenable to certification	N/A
700 - Heat Exchange Systems	(D)(700)(001)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Monitoring Requirements	The permittee must perform monitoring to identify leaks of total strippable volatile organic compounds (VOC) from each heat exchange system according to the procedures in paragraphs (1) through (6) below. (1) For each closed loop recirculating heat exchange system, collect and analyze a sample from either of the location(s): (i) Each cooling tower return line or any representative riser within the cooling tower prior to exposure to air for each heat exchange system; or (ii) Selected heat exchanger exit line(s) so that each heat exchanger or group of heat exchangers within a heat exchange system is covered by the selected monitoring location(s). (2) For each once-through heat exchange system, collect and analyze a sample from the location(s) described in paragraph (2)(i) below. The permittee may also elect to collect and analyze an additional sample from the location(s) described in paragraph (2)(ii) below. (i) Selected heat exchanger exit line(s) so that each heat exchanger or group of heat exchangers within a heat exchange system is covered by the selected monitoring location(s). The selected monitoring location may be at a point where discharges from multiple heat exchange systems are combined provided that the combined cooling water flow rate at the monitoring location does not exceed 40,000 gallons per minute. (ii) The inlet water feed line for a once-through heat exchange system prior to any heat exchanger. If multiple heat exchange systems use the same water feed (i.e., inlet water from the same primary water source), the permittee may monitor at one representative location and use the monitoring results for that sampling location for all heat exchange systems that use that same water feed. (3) Monitoring method. Determine the total strippable hydrocarbon concentration (in parts per million by volume (ppmv) as methane) at each monitoring location using the "Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources" Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 (incorporated by reference—see § 63.14) using a flame ionization detector (FID) analyzer for on-site determination as described in Section 6.1 of the Modified El Paso Method. (4) Monitoring frequency and leak action level for existing sources. For a heat exchange system at an existing source, the permittee must comply with the monitoring frequency and leak action level as defined in paragraph (4)(i) below or comply with the monitoring frequency and leak action level as defined in paragraph (4)(ii) below . The permittee may choose to comply with paragraph (4)(i) below for some heat exchange systems and comply with paragraph (4)(ii) below for other heat exchange systems. However, for each affected heat exchange system, the permittee must elect one monitoring alternative that will apply at all times. If the permittee intends to change the monitoring alternative that applies to a heat exchange system, the permittee must notify DEP 30 days in advance of such a change. All "leaks" identified prior to changing monitoring alternatives must be repaired. The monitoring frequencies specified in paragraphs (4)(i) and (ii) below also apply to the inlet water feed line for a once-through heat exchange system, if monitoring of the inlet water feed is elected as provided in paragraph (2)(ii) below. (i) Monitor monthly using a leak action level defined as a total strippable hydrocarbon concentration (as methane) in the stripping gas of 6.2 ppmv. (ii) Monitor quarterly using a leak action level defined as a total strippable hydrocarbon concentration (as methane) in the stripping gas of 3.1 ppmv unless repair is delayed as provided in 40 C.F.R. §63.654(f). If a repair is delayed, monitor monthly.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 700 - Heat Exchange Systems						
700 - Heat Exchange Systems	(D)(700)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Recordkeeping Requirements	To delay a repair, the permittee must record the following information. (1) The reason(s) for delaying repair. (2) A schedule for completing the repair as soon as practical. (3) The date and concentration of the leak as first identified and the results of all subsequent monthly monitoring events during the delay of repair. (4) An estimate of the potential strippable hydrocarbon emissions from the leaking heat exchange system or heat exchanger for each required delay of repair monitoring interval following the procedures in paragraphs (4)(i) through (iv) below. (i) Determine the leak concentration as specified in 40 C.F.R. §63.654(c) and convert the stripping gas leak concentration (in ppmv as methane) to an equivalent liquid concentration, in parts per million by weight (ppmw), using equation 7-1 from "Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources" Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 (incorporated by reference—see 40 C.F.R. §63.14) and the molecular weight of 16 grams per mole (g/mol) for methane. (ii) Determine the mass flow rate of the cooling water at the monitoring location where the leak was detected. If the monitoring location is an individual cooling tower riser, determine the total cooling water mass flow rate to the cooling tower. Cooling water mass flow rates may be determined using direct measurement, pump curves, heat balance calculations, or other engineering methods. Volumetric flow measurements may be used and converted to mass flow rates using the density of water at the specific monitoring location temperature or using the default density of water at 25 degrees Celsius, which is 997 kilograms per cubic meter or 8.32 pounds per gallon. (iii) For delay of repair monitoring intervals prior to repair of the leak, calculate the potential strippable hydrocarbon emissions for the leaking heat exchange system or heat exchanger for the monitoring interval by multiplying the leak concentration in the cooling water, ppmw, determined in (4)(i) above, by the mass flow rate of the cooling water determined in (4)(ii) above and by the duration of the delay of repair monitoring interval. The duration of the delay of repair monitoring interval is the time period starting at midnight on the day of the previous monitoring event or at midnight on the day the repair would have had to be completed if the repair had not been delayed, whichever is later, and ending at midnight of the day the of the current monitoring event. (iv) For delay of repair monitoring intervals ending with a repaired leak, calculate the potential strippable hydrocarbon emissions for the leaking heat exchange system or heat exchanger for the final delay of repair monitoring interval by multiplying the duration of the final delay of repair monitoring interval by the leak concentration and cooling water flow rates determined for the last monitoring event prior to the re-monitoring event used to verify the leak was repaired. The duration of the final delay of repair monitoring interval is the time period starting at midnight of the day of the last monitoring event prior to re-monitoring to verify the leak was repaired and ending at the time of the re-monitoring event that verified that the leak was repaired.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Recordkeeping Requirements	The permittee shall comply with the recordkeeping requirements of this section and retain these records for 5 years. (i) Identification of all petroleum refinery process unit heat exchangers at the facility and the average annual HAP concentration of process fluid or intervening cooling fluid estimated when developing the	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 700 - Heat Exchange Systems						
700 - Heat Exchange Systems	(D)(700)(004)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Reporting Requirements	(a) The permittee shall submit Periodic Reports no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified for any heat exchange system occur. The first 6-month period shall begin on the date the Notification of Compliance Status report is required to be submitted. A Periodic Report is not required if none of the compliance exceptions for the heat exchange system occurred during the 6-month period. The permittee may submit reports required by other regulations in place of or as part of the Periodic Report required by this paragraph if the reports contain the information required by 40 C.F.R. §63.655(g)(9).	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(004)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Reporting Requirements	(b) For heat exchange systems, Periodic Reports must include the following information: (i) The number of heat exchange systems at the plant site subject to the monitoring requirements in 40 C.F.R. §63.654. (ii) The number of heat exchange systems at the plant site found to be leaking. (iii) For each monitoring location where the total strippable hydrocarbon concentration was determined to be equal to or greater than the applicable leak definitions specified in 40 C.F.R. §63.654(c)(6), identification of the monitoring location (e.g., unique monitoring location or heat exchange system ID number), the measured total strippable hydrocarbon concentration, the date the leak was first identified, and, if applicable, the date the source of the leak was identified; (iv) For leaks that were repaired during the reporting period (including delayed repairs), identification of the monitoring location associated with the repaired leak, the total strippable hydrocarbon concentration measured during re-monitoring to verify repair, and the re-monitoring date (i.e. , the effective date of repair); and (v) For each delayed repair, identification of the monitoring location associated with the leak for which repair is delayed, the date when the delay of repair began, the date the repair is expected to be completed (if the leak is not repaired during the reporting period), the total strippable hydrocarbon concentration and date of each monitoring event conducted on the delayed repair during the	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(004)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Reporting Requirements	(c) Other reports shall be submitted as specified in 40 C.F.R. 63 Subpart A and as follows: (1) Reports of startup, shutdown, and malfunction required by 40 C.F.R. §63.10(d)(5). Records and reports of startup, shutdown, and malfunction are not required if they pertain solely to Group 2 emission points, as defined in 40 C.F.R. §63.641, that are not included in an emissions average. For purposes of this paragraph, startup and shutdown shall have the meaning defined in 40 C.F.R. §63.641, and malfunction shall have the meaning defined in 40 C.F.R. §63.2; and (2) The permittee must notify DEP at least 30 calendar days prior to changing from one of the monitoring options specified in 40 C.F.R. §63.654(c)(4) to the other.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(005)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Work Practice Requirements	(a) When a leak is detected, the permittee must repair the leak to reduce the measured concentration to below the applicable action level as soon as practicable, but no later than 45 days after identifying the leak, except as specified in 40 C.F.R. §63.654(e) and (f). Repair includes re-monitoring at the monitoring location where the leak was identified according to the method specified in 40 C.F.R. §63.654(c)(3) to verify that the measured concentration is below the applicable action level. Actions that can be taken to achieve repair include but are not limited to: (1) Physical modifications to the leaking heat exchanger, such as welding the leak or replacing a tube; (2) Blocking the leaking tube within the heat exchanger; (3) Changing the pressure so that water flows into the process fluid; (4) Replacing the heat exchanger or heat exchanger bundle; or (5) Isolating, bypassing, or otherwise removing the leaking heat exchanger from service until it is otherwise repaired.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 700 - Heat Exchange Systems						
700 - Heat Exchange Systems	(D)(700)(005)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Work Practice Requirements	(b) When a leak is detected at a cooling tower return line, the permittee may conduct additional monitoring of each heat exchanger or group of heat exchangers associated with the heat exchange system for which the leak was detected as provided under 40 C.F.R. §63.654(c)(1)(ii). If no leaks are detected when monitoring according to the requirements of 40 C.F.R. §63.654(c)(1)(ii), the heat exchange system is considered to meet the repair requirements through re-monitoring of the heat exchange system.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(005)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Work Practice Requirements	(c) The permittee may delay the repair of a leaking heat exchanger when one of the conditions in paragraph (c)(1) or (c)(2) below is met and the leak is less than the delay of repair action level specified in paragraph (c)(3) below. The permittee must determine if a delay of repair is necessary as soon as practicable, but no later than 45 days after first identifying the leak. (1) If the repair is technically infeasible without a shutdown and the total strippable hydrocarbon concentration is initially and remains less than the delay of repair action level for all monthly monitoring periods during the delay of repair, the permittee may delay repair until the next scheduled shutdown of the heat exchange system. If, during subsequent monthly monitoring, the delay of repair action level is exceeded, the permittee must repair the leak within 30 days of the monitoring event in which the leak was equal to or exceeded the delay of repair action level. (2) If the necessary equipment, parts, or personnel are not available and the total strippable hydrocarbon concentration is initially and remains less than the delay of repair action level for all monthly monitoring periods during the delay of repair, the permittee may delay the repair for a maximum of 120 calendar days. The permittee must demonstrate that the necessary equipment, parts, or personnel were not available. If, during subsequent monthly monitoring, the delay of repair action level is exceeded, the permittee must repair the leak within 30 days of the monitoring event in which the leak was equal to or exceeded the delay of repair action level. (3) The delay of repair action level is a total strippable hydrocarbon concentration (as methane) in the stripping gas of 62 ppmv. The delay of repair action level is assessed as described in paragraph (c)(3)(i) or (c)(3)(ii) below, as applicable. (i) For once-through heat exchange systems for which the inlet water feed is monitored as described in 40 C.F.R. §63.654(c)(2)(ii), the delay of repair action level is exceeded if the difference in the measurement value of the sample taken from a location specified in 40 C.F.R. §63.654(c)(2)(i) and the measurement value of the corresponding sample taken from the location specified in 40 C.F.R. §63.654(c)(2)(ii) equals or exceeds the delay of repair action	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous
700 - Heat Exchange Systems	(D)(700)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.640]	Additional Requirements	(a) As per 40 C.F.R. §63.640(h)(6), heat exchange systems shall be in compliance with the existing source standards in 40 C.F.R. §63.654 no later than October 29, 2012.	Explanatory Statement that imposes no compliance obligation and is thus not amenable to certification	N/A
700 - Heat Exchange Systems	(D)(700)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.640]	Additional Requirements	(b) The heat exchange systems subject to 40 C.F.R. 63 Subpart CC at the Trainer Refinery (Facility ID 293037) are: Marcus Hook Guard Basin Stony Creek Guard Basin Alky Unit Cooling Tower Benzene Unit Cooling Tower South Side Cooling Tower	Explanatory Statement that imposes no compliance obligation and is thus not amenable to certification	N/A
700 - Heat Exchange Systems	(D)(700)(007)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Additional Requirements	Leak definition. A leak is defined as described in paragraph (i) or (ii) below, as applicable. (i) For once-through heat exchange systems for which the inlet water feed is monitored as described in 40 C.F.R. §63.654(c)(2)(ii), a leak is detected if the difference in the measurement value of the sample taken from a location specified in 40 C.F.R. §63.654(c)(2)(i) and the measurement value of the corresponding sample taken from the location specified in 40 C.F.R. §63.654(c)(2)(ii) equals or exceeds the leak action level. (ii) For all other heat exchange systems, a leak is detected if a measurement value of the sample taken from a location specified in either 40 C.F.R. §63.654(c)(1)(i), (c)(1)(ii), or (c)(2)(i) equals or exceeds the leak action level.	Facility policies, procedures, and operating practices are inm place to ensure compliance	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 730 - Reformer Unit Fugitives						
730 - Reformer Unit Fugitives	(D)(730)(001)	[25 Pa. Code §127.441]	Emission Restriction	The permittee shall not exceed the following Volatile Organic Compound (VOC) emission rate from this process' valves, flanges, pumps, and other process equipment associated with the Reformate Splitter and depentanizer column, calculated from methods approved by the Department: Volatile Organic Compounds (VOCs), 0.4002 lbs/hr = 1.75 ton/yr.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
730 - Reformer Unit Fugitives	(D)(730)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
730 - Reformer Unit Fugitives	(D)(730)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor VOC emissions from this source according to the applicable LDAR schedule, as indicated in Source #'s 114 and 128.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
730 - Reformer Unit Fugitives	(D)(730)(003)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall record the monitored VOC emissions from this source according to the applicable LDAR schedule, as indicated in Source #'s 114 and 128.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
730 - Reformer Unit Fugitives	(D)(730)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
730 - Reformer Unit Fugitives	(D)(730)(004)	[25 Pa. Code §127.441]	Work Practice Requirements	Only centrifugal pumps with double mechanical seals incorporating a barrier fluid or seal-less pumps shall be used for this source and its light reformate delivery system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
730 - Reformer Unit Fugitives	(D)(730)(005)	[25 Pa. Code §127.441]	Additional Requirements	Additional requirements for this source are found in Source ID #'s 114, and 128.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 733 - FCCU Feed Heater						
733 - FCCU Feed Heater	(D)(733)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(002)(a)	[25 Pa. Code §127.441]	Emission Restriction	a. Nitrogen Oxides (NOx) emissions shall not exceed 0.045 lb/MMBtu and 12.48 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(002)(b)	[25 Pa. Code §127.441]	Emission Restriction	b. Carbon Monoxide (CO) emissions shall not exceed 400ppm by volume on a dry basis corrected to 3 percent oxygen (3-run average) and 33.1 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(002)(c)	[25 Pa. Code §127.441]	Emission Restriction	c. Volatile Organic Compounds (VOCs) emissions shall not exceed 2.20 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(002)(d)	[25 Pa. Code §127.441]	Emission Restriction	d. Particulate Matter (PM) emissions shall not exceed 3.0 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(003)	[25 Pa. Code §127.441]	Fuel Restriction	Only the refinery fuel gas and/or natural gas shall be combusted in the FCCU feed heater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(005)	[25 Pa. Code §127.441]	Throughput Restriction	The FCCU feed heater heat input shall be limited to 63 MMBtu/hr, or less, calculated as a 365-day rolling average.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(006)(a)	[25 Pa. Code §127.441]	Testing Requirements	a. The permittee shall conduct a stack test for nitrogen oxides (NOx) and carbon monoxide (CO) emissions from this source once per permit term, but no less frequent than once every five (5) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(006)(b)	[25 Pa. Code §127.441]	Testing Requirements	b. The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139 and with the conditions in Section C: Testing Requirements.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance. Fuel gas H2S content is continuously monitored.	Continuous
733 - FCCU Feed Heater	(D)(733)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 733 - FCCU Feed Heater						
733 - FCCU Feed Heater	(D)(733)(008)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
733 - FCCU Feed Heater	(D)(733)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(010)	[25 Pa. Code §129.100]	Recordkeeping Requirements	The permittee shall record each adjustment conducted in the tune-up for this source in a permanently bound log book, or other Department approved method. This log shall contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
733 - FCCU Feed Heater	(D)(733)(012)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 733 - FCCU Feed Heater						
733 - FCCU Feed Heater	(D)(733)(013)	[25 Pa. Code §127.441]	Work Practice Requirements	Additional authority for this condition is also derived from 25 Pa. Code §129.97 or §129.99.] (a) A tune-up shall be performed on the unit annually or once in five (5) years if equipped with oxygen trim system. The tuneup shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(014)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
733 - FCCU Feed Heater	(D)(733)(015)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 735 - Kerosene/HCN HTU Heater						
735 - Kerosene / HCN HTU Heater	(D)(735)(001)	[25 Pa. Code §123.11]	Emission Restriction	The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of 0.4 pound per million Btu of heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(002)(a)	[25 Pa. Code §127.441]	Emission Restriction	(a) Nitrogen Oxides (NOx) emissions shall not exceed 14.32 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(002)(b)	[25 Pa. Code §127.441]	Emission Restriction	(b) Carbon Monoxide (CO) emissions shall not exceed 12.09 tons per year as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(004)	[25 Pa. Code §127.441]	Throughput Restriction	The permittee shall limit the heat input of FCC heavy naphtha hydrodesulfurization unit heater to 23 MMBtu/hr, calculated as a 365-day rolling average.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(007)	[25 Pa. Code §127.512]	Testing Requirements	The permittee shall test the refinery gas burned in this source, for sulfur content, by monitoring the H2S content of the fuel gas with a CEM.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance. Fuel gas H2S content is continuously monitored.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(006)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) The H2S content of the fuel consumed. (c) The Btu content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(008)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 735 - Kerosene/HCN HTU Heater						
735 - Kerosene / HCN HTU Heater	(D)(735)(010)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(009)	[25 Pa. Code §127.512]	Recordkeeping Requirements	Using EPA and Department approved methods, the permittee shall perform calculations demonstrating compliance with the particulate matter emission limit for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(011)	[25 Pa. Code §129.100]	Reporting Requirements	The permittee shall record each adjustment conducted in the tune-up for this source in a permanently bound log book, or other Department approved method. This log shall contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(012)	[25 Pa. Code §127.441]	Reporting Requirements	The FCC heavy naphtha hydrodesulfurization unit and related emission points and affected sources as specified in 40 C.F.R. §63.640 is subject to Subpart CC of the National Emission Standards for Hazardous Air Pollutants and shall comply with all applicable requirements of this Subpart. 40 C.F.R. §63.13 requires submission of copies of all requests, reports, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Condition #020 of Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 735 - Kerosene/HCN HTU Heater						
735 - Kerosene / HCN HTU Heater	(D)(735)(15)	[25 Pa. Code §127.441]	Work Practice Requirements	Additional authority for this condition is also derived from 25 Pa. Code §129.97 or §129.99.] (a) A tune-up shall be performed on the unit annually or once in five (5) years if equipped with oxygen trim system. The tuneup shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer. (b) The tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(016)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(019)	[25 Pa. Code §129.97]	Additional Requirements	The permittee shall conduct annual tune-up in accordance with the provisions specified in 40 CFR §63.7540(a)(10)(i) through (vi).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(019)	[25 Pa. Code §129.97]	Additional Requirements	Annual tuneup must be conducted in accordance with the requirements as specified for Source ID 030 - MACT BOILERS AND PROCESS HEATERS.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
735 - Kerosene / HCN HTU Heater	(D)(735)(019)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 736 - Diesel HTU Heater						
736 - Diesel HTU Heater	(D)(736)(001)	[25 Pa. Code §123.11]	Emission Restriction	The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this combustion unit in excess of 0.4 pound per million Btu of heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(002)(a)	[25 Pa. Code §127.441]	Emission Restriction	(a) Nitrogen Oxides (NOx) emissions shall not exceed 24.36 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(002)(b)	[25 Pa. Code §127.441]	Emission Restriction	(b) Carbon Monoxide (CO) emissions shall not exceed 14.2 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(002)(c)	[25 Pa. Code §127.441]	Emission Restriction	(c) Volatile Organic Compounds (VOCs) emissions shall not exceed 3.4 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(002)(d)	[25 Pa. Code §127.441]	Emission Restriction	(d) Particulate Matter (PM) emissions shall not exceed 1.5 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(002)(e)	[25 Pa. Code §127.441]	Emission Restriction	(e) The permittee shall calculate emissions using emission factors developed from the most recent emissions test approved by the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance. Fuel gas H2S content is continuously monitored.	Continuous
736 - Diesel HTU Heater	(D)(736)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(005)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) The H2S content of the fuel consumed. (c) The Btu content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(006)	[25 Pa. Code §127.512]	Testing Requirements	The refinery gas burned in this source shall be monitored for sulfur content using the Department certified CMS.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 736 - Diesel HTU Heater						
736 - Diesel HTU Heater	(D)(736)(007)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
736 - Diesel HTU Heater	(D)(736)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Using EPA and Department approved methods, the permittee shall perform calculations demonstrating compliance with the particulate matter emission limit for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(010)	[25 Pa. Code §129.100	Recordkeeping Requirements	The permittee shall record each adjustment conducted in the annual tune-up for this source in a permanently bound log book, or other Department approved method. This log shall contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(012)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 736 - Diesel HTU Heater						
736 - Diesel HTU Heater	(D)(736)(013)(a)	[25 Pa. Code §127.512]	Work Practice Requirements	(a) The permittee shall perform an annual tune-up on this combustion process which includes, but not be limited to, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(013)(b)	[25 Pa. Code §127.512]	Work Practice Requirements	(b) The permittee shall make the annual adjustment described above in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(014)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(015)	[25 Pa. Code §129.99]	Work Practice Requirements	The permittee shall conduct annual tune-up in accordance with the provisions specified in 40 CFR §63.7540(a)(10)(i) through (vi).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(016)	[25 Pa. Code §129.99]	Work Practice Requirements	Annual tuneup must be conducted in accordance with the requirements as specified for Source ID 030 - MACT BOILERS AND PROCESS HEATERS.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
736 - Diesel HTU Heater	(D)(736)(017)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 737 - Naphtha HDS Heater						
737 - Naphtha HDS Heater	(D)(737)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(002)	[25 Pa. Code §127.441]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91] NOx emissions shall not exceed 0.2 lb/MMBtu, on a 30-day rolling average, when firing refinery fuel gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance. Fuel gas H2S content is continuously monitored.	Continuous
737 - Naphtha HDS Heater	(D)(737)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance. No testing was conducted in 2015.	Continuous
737 - Naphtha HDS Heater	(D)(737)(005)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) H2S content of the fuel consumed. (c) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 737 - Naphtha HDS Heater						
737 - Naphtha HDS Heater	(D)(737)(007)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Each adjustment conducted under the tune-up procedures for this source, shall be recorded in a permanently bound log book, or other Department approved method, and contain the following: (a) The date of the tuning procedure. (b) The name of the service company and technician. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(009)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(011)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	a The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(011)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	b The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
737 - Naphtha HDS Heater	(D)(737)(012)	[25 Pa. Code §127.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 737 - Naphtha HDS Heater						
737 - Naphtha HDS Heater	(D)(737)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 738 - Platformer Feed Heater						
738 - Platformer Feed Heater	(D)(738)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emission into the outdoor atmosphere from this combustion unit shall not exceed the rate of 0.1 pounds per million Btu of heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(002)	[25 Pa. Code §127.441]	Emission Restriction	The emissions from this source shall not exceed either of the following: (a) NOx emissions: (1) 0.12 lbs/MMBtu; and (2) 317.0 tons in any 12 consecutive month period. (b) The permittee shall not exceed SO2 emissions limit of 0.011 lbs/MMBtu on a 12-month rolling average, calculated monthly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(003)	[25 Pa. Code §127.441]	Fuel Restriction	Only RFG and/or natural gas shall be fired in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	The permittee shall not burn in this source any fuel gas that contains H2S in excess of (a) 162 ppmv (0.10 gr/dscf) determined hourly on a 3-hour rolling average basis; and (b) 48 ppmv on a 12-month rolling average, calculated monthly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(005)	[25 Pa. Code §127.441]	Throughput Restriction	This source shall be limited to a 12 consecutive month average firing rate of 750 MMBtu/hr, when firing on RFG.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(006)	[25 Pa. Code §127.441]	Control Device Efficiencies Restriction (s)	The source shall be equipped with twenty-four (24) Ultra Low-NOx Burners (ULNB) (installed in 2006) and the eighty-four (84) previously installed Low NOx Burners (LNB) to achieve NOx emission limits specified in Condition #001 above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(007)(a)	[25 Pa. Code §127.441]	Testing Requirements	(a) The permittee shall perform a stack test using the Department approved procedures, every five (5) years or once within the life of the permit. Such testing shall be conducted at least twelve (12) months prior to the expiration of this permit. The stack test results shall be submitted for review no later than six (6) months before the permit expiration.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(007)(b)	[25 Pa. Code §127.441]	Testing Requirements	(b) The stack test shall, at a minimum, test for the NOx and CO. Tests shall be conducted in accordance with EPA test methods, 25 Pa. Code Chapter 139, and the testing requirements found in Section C of this operating permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(007)(c)	[25 Pa. Code §127.441]	Testing Requirements	(c) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(008)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(008)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(009)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The fuel usage shall be monitored and recorded each day the source is operating.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(009)(b)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The Btu content of the RFG shall be monitored and recorded on a daily basis, when the source is operating.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 738 - Platformer Feed Heater						
738 - Platformer Feed Heater	(D)(738)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
738 - Platformer Feed Heater	(D)(738)(011)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(012)	[25 Pa. Code §129.100]	Recordkeeping Requirements	(a) Each adjustment conducted for this source shall be recorded in a permanently bound book, or other Department approved method. The following information shall, at a minimum, be recorded: (1) The date of the tuning or adjustment. (2) The name of the service company and technicians. (3) The final operating rate or load. (4) The final CO and NOx emission rates. (5) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(015)(a)(1)	[25 Pa. Code §127.441]	Work Practice Requirements	[The following RACT requirements are SIPped by the US EPA, and derived from 25 Pa. Code §§129.91 through 129.95.] (a) In order to comply with RACT, an annual tune-up shall be conducted on this source. The annual tune-up shall include, but not be limited to, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(015)(a)(2)	[25 Pa. Code §127.441]	Work Practice Requirements	(2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 738 - Platformer Feed Heater						
738 - Platformer Feed Heater	(D)(738)(015)(a)(3)	[25 Pa. Code §127.441]	Work Practice Requirements	(3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(015)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(016)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
738 - Platformer Feed Heater	(D)(738)(017)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 739 - Isocracker 1st Stage Heater						
739 - Isocracker 1st Stage Heater	(D)(739)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(002)	[25 Pa. Code §127.441]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91.] When firing on refinery fuel gas (RFG), emissions shall not exceed the following: (a) NOx - 0.2 lbs/MMBtu, on a 30-day rolling average and 30.66 tons in any 12 consecutive month period; and (b) SO2 - 0.011 lbs/MMBtu, on a 12-month rolling average, calculated monthly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(003)	[25 Pa. Code §127.441]	Fuel Restriction	H2S concentration in the fuel gas shall not exceed 48 ppmv on a 12-month rolling average, calculated monthly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(005)	[25 Pa. Code §127.441]	Throughput Restriction	The source shall be limited to an annual average firing rate of 50 MMBtu/hr, when firing on RFG.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(006)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(006)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(007)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) The H2S content of the fuel consumed. (c) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 739 - Isocracker 1st Stage Heater						
739 - Isocracker 1st Stage Heater	(D)(739)(008)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(010)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Demonstration of compliance with the H2S limit for this source shall be documented through the use of the Department approved CEMS data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(011)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall record each adjustment conducted during the annual tune-up in a permanently bound logbook, or other Department approved method. This log shall contain the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOX emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(012)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 739 - Isocracker 1st Stage Heater						
739 - Isocracker 1st Stage Heater	(D)(739)(014)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall ensure that Reasonable Available Control Technology (RACT) for this source includes an annual tune-up which includes, but is not limited to the following: (1) Inspection, adjustment, cleaning, or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(014)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The permittee shall, during the annual tune-up, make the necessary adjustments in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the document.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(015)	[25 Pa. Code §129.977.441]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
739 - Isocracker 1st Stage Heater	(D)(739)(016)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 740 - Isocracker Splitter Rblr						
740 - Isocracker Splitter Rblr	(D)(740)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(002)	[25 Pa. Code §127.441]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91.] NOx emissions from this source shall not exceed 0.45 lbs/MMBtu, on a 30-day rolling average, when firing on refinery fuel gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(005)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) The H2S content of the fuel consumed. (c) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 740 - Isocracker Splitter Rblr						
740 - Isocracker Splitter Rblr	(D)(740)(007)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Each adjustment conducted under the tune-up procedures for this source shall be recorded in a permanently bound log book, or other Department approved method, and contain the following: (a) The date of the tuning procedure. (b) The name of the service company and technician. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Demonstration of compliance with the H2S limit for this source shall be documented through the use of the Department approved CEMS data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(012)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(012)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
740 - Isocracker Splitter Rblr	(D)(740)(013)	[25 Pa. Code §129.977.441]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 740 - Isocracker Splitter Rblr						
740 - Isocracker Splitter Rblr	(D)(740)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 741 - D2/VGO Hydrotreater Feed Heater						
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(002)	[25 Pa. Code §127.441]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.91.] NOx emissions from this source shall not exceed 0.32 lbs/MMBtu, on a 30-day rolling average, when firing on refinery fuel gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(005)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the NOx, CO, and oxygen from this source following the annual combustion tuning using a Department approved method.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(005)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate each day. (b) The H2S content of the fuel consumed. (c) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 741 - D2/VGO Hydrotreater Feed Heater						
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(007)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(008)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall ensure that all adjustments conducted during the annual tune-up be recorded in a permanently bound log book, or other Department approved method. The following information, at a minimum, shall be recorded: (1) The date of the tuning procedure. (2) The name of the service company and technicians. (3) The final operating rate or load. (4) The final CO and NOx emission rates. (5) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(008)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of all test results and the annual tune-up records for a minimum of five (5) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(009)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(011)	[25 Pa. Code §127.441]	Work Practice Requirements	Additional authority for this condition is also derived from 25 Pa. Code §129.97 or §129.99.] (a) A tune-up shall be performed on the unit annually or once in five (5) years if equipped with oxygen trim system. The tuneup shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer. (b) The tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 741 - D2/VGO Hydrotreater Feed Heater						
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(012)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
741 - D2/VGO Hydrotreater Feed Heater	(D)(741)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 742 - VCD 541 Vac Heater						
742 - VCD 541 Vac Heater	(D)(742)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(002)	[25 Pa. Code §129.97]	Emission Restriction	NOx emissions from this source shall not exceed 0.25 lbs/MMBtu heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(003)	[25 Pa. Code §127.441]	Fuel Restriction	This source shall only operate on refinery fuel gas or natural gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Fuel Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(006)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following operating parameters for this source: (a) The fuel rate and type of fuel(s) consumed each day. (b) H2S (from CEM) content of the fuel, when firing refinery fuel gas. (c) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	a. The span value for this CEM is 425 mg/dscm H2S.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Monitoring Requirements	b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(007)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 742 - VCD 541 Vac Heater						
742 - VCD 541 Vac Heater	(D)(742)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(009)	[25 Pa. Code §129.100]	Reporting Requirements	The permittee shall record each adjustment conducted in the tune-up for this source in a permanently bound log book, or other Department approved method. This log shall contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages,	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(012)	[25 Pa. Code §127.441]	Work Practice Requirements	Additional authority for this condition is also derived from 25 Pa. Code §129.97 or §129.99.] (a) A tune-up shall be performed on the unit annually or once in five (5) years if equipped with oxygen trim system. The tuneup shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer. (b) The tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 742 - VCD 541 Vac Heater						
742 - VCD 541 Vac Heater	(D)(742)(013)	[25 Pa. Code §127.441]	Work Practice Requirements	The CEM system(s) for H2S, as previously approved by the Department, must be operated and maintained in accordance with the quality assurance, recordkeeping and reporting requirements of Chapter 139 of the Department of Environmental Protection's Rules and Regulations and the Department's Continuous Source Monitoring Manual. The required data reports shall be submitted to the Department's Central Office, in hardcopy and computer readable-media formats as specified by the Department, within thirty (30) days following the close of each calendar quarter.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(014)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
742 - VCD 541 Vac Heater	(D)(742)(015)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 743 - VCD 542 Vac Heater						
743 - VCD 542 Vac Heater	(D)(743)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(002)(a)	[25 Pa. Code §127.441]	Emission Restriction	The following emission limits shall not be exceeded: (a) VOCs - 0.18 lbs/hr, and 0.79 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(002)(b)	[25 Pa. Code §127.441]	Emission Restriction	(b) NOx - 10.8 lbs/hr, and 31.3 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(002)(c)	[25 Pa. Code §127.441]	Emission Restriction	(c) SO2 - 1.78 lbs/hr, and 7.8 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(002)(d)	[25 Pa. Code §127.441]	Emission Restriction	(d) CO - 4.0 lbs/hr, and 13.8 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(002)(e)	[25 Pa. Code §127.441]	Emission Restriction	(e) PM - 1.0 lbs/hr, and 3.1 tons in any 12 consecutive month period. [Compliance with these limits assures compliance with 25 Pa. Code §123.11(a)(2).]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(003)(a)	[25 Pa. Code §127.441]	Fuel Restriction	(a) This source shall only fire refinery fuel gas or natural gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(003)(b)	[25 Pa. Code §127.441]	Fuel Restriction	(b) The amount of refinery gas combusted in this source shall not exceed 72 MMBtu/hr on a daily basis and 500,550 MMBtus calculated on a 365 day rolling period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(006)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor the following using a gas chromatograph and fuel gas meters, or DEP approved procedure: (1) The daily heat content, (2) Flow rate of the refinery fuel gas, and (3) The daily heat input to the source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 743 - VCD 542 Vac Heater						
743 - VCD 542 Vac Heater	(D)(743)(007)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	a. The span value for this CEM is 425 mg/dscm H2S.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(007)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(008)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of the following operating parameters for this source: (1) The fuel rate and type of fuel(s) consumed each day. (2) H2S content of the fuel, when firing refinery fuel gas. (3) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(008)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the PM, SOx and NOx emission calculations used to verify the corresponding emission limits for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 743 - VCD 542 Vac Heater						
743 - VCD 542 Vac Heater	(D)(743)(010)	[25 Pa. Code §129.100]	Recordkeeping Requirements	The permittee shall record each adjustment conducted in the tune-up for this source in a permanently bound log book, or other Department approved method. This log shall contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(011)	[25 Pa. Code §127.441]	Reporting Requirements	The CEM system(s) for H2S, as approved by the Department, must be operated and maintained in accordance with the quality assurance, recordkeeping and reporting requirements of Chapter 139 of the Department of Environmental Protection's Rules and Regulations and the Department's Continuous Source Monitoring Manual. The required data reports shall be submitted to the Department's Central Office, in hardcopy and computer readable-media formats as specified by the Department, within thirty (30) days following the close of each calendar quarter.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(012)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(015)	[25 Pa. Code §127.441]	Work Practice Requirements	Additional authority for this condition is also derived from 25 Pa. Code §129.97 or §129.99.] (a) A tune-up shall be performed on the unit annually or once in five (5) years if equipped with oxygen trim system. The tuneup shall consist of, at a minimum, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer. (b) The tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
743 - VCD 542 Vac Heater	(D)(743)(015)	[25 Pa. Code §129.97]	Work Practice Requirements	Emissions of volatile organic compounds (VOCs) shall be minimized by annual combustion tuning and good operating and air pollution control practices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 743 - VCD 542 Vac Heater						
743 - VCD 542 Vac Heater	(D)(743)(016)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 744 - ACD 543 Crude Heater						
744 - ACD 543 Crude Heater	(D)(744)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(002)	[25 Pa. Code §127.441]	Emission Restriction	NOx emissions shall not exceed 0.2 lbs/MMBtu, on a 24-hour basis, when firing on refinery gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(005)	[25 Pa. Code §127.511]	Monitoring Requirements	The permittee shall use a CEM to monitor the H2S content of the refinery fuel gas, being burned in this source. This data shall be used to demonstrate compliance with the SO2 limit for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(007)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of the following operating parameters for this source: (1) The fuel rate and type of fuel(s) consumed each day. (2) H2S content of the fuel, when firing refinery fuel gas. (3) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 744 - ACD 543 Crude Heater						
744 - ACD 543 Crude Heater	(D)(744)(007)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the PM, SOx and NOx emission calculations used to verify the corresponding emission limits for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: (a) The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. (b) The amount of fuel consumed each day the unit is operating. (c) The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. (d) The BTU content of the fuel consumed each day the unit is operating. (e) Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall ensure that each adjustment conducted in the annual tune-up on the combustion process be recorded in a permanently bound book, or other Department approved method, and contain, at a minimum, the following information: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(012)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall ensure that this source has an annual tune-up on the combustion process. The annual tune-up shall include, but not be limited to, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(013)	[25 Pa. Code §127.441]	Work Practice Requirements	Emissions of volatile organic compounds (VOCs) shall be minimized by annual combustion tuning and good operating and air pollution control practices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(013)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 744 - ACD 543 Crude Heater						
744 - ACD 543 Crude Heater	(D)(744)(014)	[25 Pa. Code §127.441]	Work Practice Requirements	RACT for this heater shall be the operation and maintenance of twelve (12) low NOx burners.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
744 - ACD 543 Crude Heater	(D)(744)(015)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 745 - ACD 544 Crude Heater						
745 - ACD 544 Crude Heater	(D)(745)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(002)	[25 Pa. Code §127.441]	Emission Restriction	NOx emissions shall not exceed 0.2 lb/MMBtu, on a 24-hour average basis, when firing refinery fuel gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(005)	[25 Pa. Code §127.511]	Monitoring Requirements	The Permittee shall use a CEM to monitor the H2S content of the refinery fuel gas being burned in this source. This data shall be used to demonstrate compliance with the S02 emission limit for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(007)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of the following operating parameters for this source: (1) The fuel rate and type of fuel(s) consumed each day. (2) H2S content of the fuel, when firing refinery fuel gas. (3) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 745 - ACD 544 Crude Heater						
745 - ACD 544 Crude Heater	(D)(745)(007)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the PM, SOx and NOx emission calculations used to verify the corresponding emission limits for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(009)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Each adjustment conducted during the annual tune-up on for this source shall be recorded in a permanently bound log book, or other Department approved method, and contain, at a minimum, the following parameters: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(012)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall perform an annual tune-up on the combustion process for this source. The annual tune-up shall include, but not be limited to, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(012)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 745 - ACD 544 Crude Heater						
745 - ACD 544 Crude Heater	(D)(745)(013)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
745 - ACD 544 Crude Heater	(D)(745)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 746 - VCD 544 Vac Heater						
746 - VCD 544 Vac Heater	(D)(746)(001)	[25 Pa. Code §123.11]	Emission Restriction	Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula: A = 3.6E^(-0.56) where A = Allowable emissions in pounds per million BTUs of heat input, and E = Heat input to the combustion unit in millions of BTUs per hour, when E is equal to or greater than 50 but less than 600.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(002)(a)	[25 Pa. Code §127.441]	Emission Restriction	a. Nitrogen Oxides (NOx) emissions shall not exceed 0.06 lb/MMBtu and 42.05 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(002)(b)	[25 Pa. Code §127.441]	Emission Restriction	b. Carbon Monoxide (CO) emissions shall not exceed 84.1 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(002)(c)	[25 Pa. Code §127.441]	Emission Restriction	c. Volatile Organic Compounds (VOCs) emissions shall not exceed 5.5 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(002)(d)	[25 Pa. Code §127.441]	Emission Restriction	d. Particulate Matter (PM) emissions shall not exceed 9.1 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall not burn any fuel gas in this source that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf), 3-hour average, rolling by 1-hour. [Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1)]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(003)	[25 Pa. Code §127.441]	Fuel Restriction	Only the refinery fuel gas and/or natural gas shall be combusted in the 544 Vacuum Heater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(005)	[25 Pa. Code §127.441]	Throughput Restriction	The heat input of 544 Vacuum Heater shall be limited to 160 MMBtu/hr, or less, calculated as a 365-day rolling average.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(006)	[25 Pa. Code §127.441]	Control Device Efficiencies Restriction	The permittee shall install, operate, and maintain next generation ultra-low NOx burners to control the emissions of NOx from the 544 Vacuum Heater. The next generation ultra-low NOx burners shall be installed, operated, and maintained in accordance with manufacturer's specifications as well as good air pollution control practices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(007)	[25 Pa. Code §127.441]	Testing Requirements	The permittee shall conduct a stack test to determine the nitrogen oxides (NOx), sulfur dioxide (SO2), and carbon monoxide (CO) emissions from the source once per permit term, but no less frequent than once every five (5) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(008)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Once every five (5) years, and in accordance with 40 C.F.R. 60.106(e), EPA Method 11 shall be used to determine the H2S concentration in the fuel gas burned in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(008)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	(b) The permittee shall ensure that all testing is done in accordance with the provisions of 25 Pa. Code Chapter 139, 40 C.F.R. 60 Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU, and the Testing Requirements specified in Condition II, Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 746 - VCD 544 Vac Heater						
746 - VCD 544 Vac Heater	(D)(746)(009)	[25 Pa. Code §127.511]	Monitoring Requirements	The permittee shall use a CEM to monitor the H2S content of the refinery fuel gas being burned in this source. This data will be used to demonstrate compliance with the SO2 emission limit for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall ensure that a Department approved Continuous Emission Monitor (CEM) is continuously monitoring and recording the concentration (dry basis) of Hydrogen Sulfide (H2S) in refinery fuel gas before being burned in this source. This condition does not apply when the source is burning natural gas. a. The span value for this CEM is 425 mg/dscm H2S. b. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned. c. The performance evaluations for the H2S monitor under 40 C.F.R. § 60.13(c) shall use Performance Specification 7. EPA Method 11 shall be used for conducting the relative accuracy evaluations.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All periods of monitor downtime will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(011)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of the following operating parameters for this source: (1) The fuel rate and type of fuel(s) consumed each day. (2) H2S content of the fuel, when firing refinery fuel gas. (3) The BTU content of the fuel consumed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(011)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the PM, SOx and NOx emission calculations used to verify the corresponding emission limits for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(012)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records for the unit: a. The emissions of the pollutant(s) under Emissions Restriction for this unit in tons per month and 12-month rolling sum. b. The amount of fuel consumed each day the unit is operating. c. The H2S content of the fuel consumed on a monthly, and 12-month rolling average, basis. d. The BTU content of the fuel consumed each day the unit is operating. e. Average firing rate (in MMBtu/hr) each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(013)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall record in a permanently bound log book, or other Department approved method, each adjustment conducted in the annual tune-up on this source. The following information, at a minimum, shall be recorded: (a) The date of the tuning procedure. (b) The name of the service company and technicians. (c) The final operating rate or load. (d) The final CO and NOx emission rates. (e) The final excess oxygen rate.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] For the purpose of reports under 40 C.F.R. § 60.7(c), periods of excess emissions that shall be determined and reported are defined as follows: All 3-hour average, rolling by 1-hour, during which the average concentration of H2S as measured by the H2S continuous monitoring system under 40 C.F.R. § 60.105(a)(4) exceeds 162 ppmv (0.10 gr/dscf). Note: All averages shall be determined as the arithmetic average of the applicable 1-hour averages, e.g., the rolling 3-hour average shall be determined as the arithmetic average of three contiguous 1-hour averages.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. 746 - VCD 544 Vac Heater						
746 - VCD 544 Vac Heater	(D)(746)(015)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall submit a signed statement certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(017)	[25 Pa. Code §127.441]	Work Practice Requirements	Emissions of volatile organic compounds (VOCs) shall be minimized by annual combustion tuning and good operating and air pollution control practices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(016)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall ensure that an annual tune-up be performed on this source. The tune-up shall include, but not be limited to, the following: (1) Inspection, adjustment, cleaning or replacement of fuel burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer. (2) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx, and, to the extent practicable, minimize the emissions of CO. (3) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(016)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(017)	[25 Pa. Code §129.97]	Work Practice Requirements	The permittee shall operate and maintain this unit in accordance with manufacturer's specifications and good operating practices for the control of VOC emissions from this unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
746 - VCD 544 Vac Heater	(D)(746)(019)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] 40 C.F.R. § 60.4 requires the submittal of all reports, requests, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T001 - MACT Group 1, Int Float Roof Tanks						
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(001)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee may not store VOCs that have a vapor pressure of 11.1 psia or greater under actual storage conditions in any of the internal floating roof tanks contained this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(001)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	(b) If the permittee elects to change any tanks in this group to MACT Group 2 status, such tanks shall comply with the provisions outlined for MACT Group 2 Tanks, Source T003, rather than the provisions outlined for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Testing Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] When the permittee and the Administrator do not agree on whether the annual average weight percent organic HAP in the stored liquid is above or below four (4) percent for a storage vessel, EPA Method 18 of 40 C.F.R. 60, Appendix A, shall be used.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(003)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] The permittee shall visually inspect the internal floating roof and the primary seal according to the following schedule: (a) Visually inspect the internal floating roof and the seal through manholes and roof hatches on the fixed roof at least once every twelve (12) months; and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(003)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(b) Visually inspect the internal floating roof and the seal each time the storage vessel is emptied and degassed, and at least once every ten (10) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(004)	[25 Pa. Code §127.511]	Recordkeeping Requirements	The permittee shall record when the status of any of these individual tanks is changed from MACT, Group 1 status.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(005)	[25 Pa. Code §127.511]	Recordkeeping Requirements	Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(b) If defects found during the annual monitoring inspections of Condition #003(a) for this source, cannot be repaired within forty-five (45) days and if the vessel cannot be emptied within forty-five (45) calendar days, the permittee may utilize an extension of up to thirty (30) additional calendar days. Documentation of a decision to utilize the extension shall include: a description of the failure, document that alternate storage capacity is unavailable, and specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied, as soon as practical.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(006)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(c) The permittee shall maintain a list of tanks designated as Group 1 or Group 2 on site, and update this list as necessary. [Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 129.56(h).]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) Except as provided in subcondition (b), of this condition, for all inspections required by the Condition #003(b), for this source, the permittee shall notify DEP in writing at least thirty (30) calendar days prior to the refilling of each storage vessel to afford DEP the opportunity to have an observer present.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T001 - MACT Group 1, Int Float Roof Tanks						
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(b) If the inspection required by Condition #003(b), for this source, is not planned and the permittee could not have known about the inspection thirty (30) days in advance of refilling the vessel, the permittee shall notify DEP at least seven (7) calendar days prior to the refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternately, the notification including the written documentation may be made in writing and sent so that it is received by DEP at least seven (7) calendar days prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(c) DEP may waive the notification requirements of 40 C.F.R. §63.646 for all or some storage vessels subject to these requirements. DEP may also grant permission to refill storage vessels sooner than thirty (30) days after submitting the notifications specified in Condition (b), above, for all storage vessels or for individual storage vessels on a case-by-case basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(d) If a failure is detected during the annual monitoring inspections of Condition #003(a) for this source, the permittee shall report the following information in the Periodic Report: (1) Date of the inspection. (2) Identification of each storage vessel in which a failure was detected. (3) Description of the failure. (4) Describe the nature of and date the repair was made or the date the storage vessel was emptied. Note: For Condition (d), above, a failure is defined as anytime in which the internal floating roof is not resting on the surface of the liquid inside the storage vessel and is not resting on the leg supports; or the seal is detached from the internal floating roof; or there are holes, tears, or other openings in the seal or seal fabric; or there are visible gaps between the seal and the wall of the storage vessel.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(e) If a failure is detected during the monitoring inspection of Condition #003(b) for this source, the permittee shall report the following information in the Periodic Report: (1) Date of the inspection. (2) Identification of each storage vessel in which a failure was detected. (3) Description of the failure. (4) Describe the nature of and date the repair was made. Note: For Condition (e), above, a failure is defined as any time in which the internal floating roof has defects; or the primary seal has holes, tears or other openings in the seal or the seal fabric.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(f) If an extension is utilized in accordance with Condition #008 for this source, the permittee shall, in the next Periodic Report, include the following: (1) Identify the storage tank. (2) Description of the failure. (3) Document that alternate storage capacity was not available. (4) Describe the nature of and date the repair was made.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(007)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(g) The permittee shall notify DEP semi-annually (in the periodic report) of any change to the group status of these tanks.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The internal floating roof shall be floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the following periods: (1) During the initial fill. (2) After the vessel has been completely emptied and degassed. (3) When the vessel is completely emptied before being subsequently refilled.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T001 - MACT Group 1, Int Float Roof Tanks						
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(b) When the floating roof is resting on the leg supports, the process of filling, emptying , or refilling shall be continuous and shall be accomplished as soon as practical. Note: The intent of (a) and (b) above is to avoid having a vapor space between the floating roof and the stored liquid for extended periods. Storage vessels may be emptied for purposes such as routine storage vessel maintenance, inspections, petroleum liquid deliveries, or transfer operations. Storage vessels where liquid is left on walls, as bottom clingage, or in pools due to floor irregularity are considered completely empty.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(c) Each internal floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge, The closure device shall consist of one of the following devices: (1) A liquid mounted seal. (2) A metallic shoe seal. (3) 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 seals.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(d) Automatic bleeder vents are to be closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the floor leg supports.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(e) If a cover or lid is installed on an opening on a floating roof, the cover or lid shall remain closed except when the cover or lid must be open for access.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(f) Rim space vents are to be set to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(g) If during the inspections required by the monitoring inspections of Condition #003(a), above, the internal floating roof is not resting on the surface of the liquid inside the storage vessel and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached; or there are holes or tears in the seal fabric; or there are visible gaps between the seal and the wall of the storage vessel, the permittee shall repair the items or empty and remove the storage vessel from service within forty-five (45) calendar days. If a failure is detected that cannot be repaired within forty-five (45) calendar days and if the vessel cannot be emptied within forty-five(45) calendar days, the permittee may utilize an extension of up to thirty (30) additional calendar days.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(008)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(h) If during the inspections required by the monitoring inspections of Condition #003(b) for this source, the internal floating roof has defects or the primary seal has holes, tears, or other openings in the seal or the seal fabric, the permittee shall repair the items as necessary so that none of the conditions specified in this subcondition exist before refilling the storage vessel with organic HAP. [Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 127.441.]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T001 - MACT Group 1, Int Float Roof Tanks	(D)(T001)(009)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, this source consists of the following individual tanks, subject to MACT, Group 1, Internal Floating Roof Requirements: - DEP Source number 134, capacity - 15 M barrels - DEP Source number 137, capacity - 61 M barrels - DEP Source number 140, capacity - 63 M barrels - DEP Source number 150, capacity - 79 M barrels - DEP Source number 153, capacity - 83 M barrels	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T002 - MACT Group 1, Ext Floating Tanks						
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(001)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee may not store VOCs that have a vapor pressure of 11.1 psia or greater under actual storage conditions in any of the external floating roof tanks comprising this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(001)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	(b) The accumulated areas of gaps between the vessel wall and the primary seal, as determined by subcondition #003(c), shall not exceed 10 square inches per foot of vessel diameter, and the width of any portion of any gap shall not exceed 1.5 inches.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(001)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	(c) The accumulated area of gaps between the vessel wall and the secondary seal, as determined by subcondition #003(d), below, shall not exceed 1.0 square inch per foot of vessel diameter and the width of any portion of any gap shall not exceed 0.5 inches. These seal gap requirements may be exceeded during the measurement of primary seal gaps as required by 40 C.F.R. §63.646.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(001)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	(d) If the permittee elects to change any tank(s) in this source to MACT Group 2 status (Source T003), such tank(s) shall comply with the provisions outlined for MACT Group 2 tanks (Source T003), rather than the provisions of MACT Group 1 tanks presented in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Testing Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] When the permittee and the Administrator do not agree on whether the annual weight percent organic HAP in the stored liquid is above or below four (4) percent for a storage vessel, EPA Method 18, of 40 C.F.R. 60, Appendix A shall be used.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(a)(1)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) Except as provided in subcondition (e), below, the permittee shall 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 following frequency: (1) Measurements of gaps between the vessel wall and the primary seal shall be performed at least once every five (5) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(a)(2)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(2) Measurements of gaps between the vessel wall and the secondary seal shall be performed at least once per year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(a)(3)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(3) If any storage vessel ceases to store organic HAP for a period of one (1) year or more, or if the maximum true vapor pressure of the total organic HAPs in the stored liquid falls below the valued defining Group 1 storage vessels for a period of one (1) year or more, measurements of gaps between the vessel wall and the primary seal, and the gaps between the vessel wall and the secondary seal shall be performed within ninety (90) calendar days of the vessel being refilled with organic HAP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(b) Except as provided in subcondition (e), below, the permittee shall determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in subconditions (b)(1) through (b)(3), below. (1) Seal gaps, if any, shall be measured at one or more floating roof levels when the roof is not resting on the roof leg supports. (2) Seal gaps, if any, shall be measured around the entire circumference of the vessel in each place where a one-eighth (1/8) inch diameter uniform probe passes freely (without forcing or binding against the seal) between the seal and the wall of the storage vessel. The circumferential distance of each such location shall also be measured. (3) The total surface area of each gap described in subcondition (b)(2), above, shall be determined by using probes of various widths to measure accurately the actual distance from the vessel wall to the seal and multiplying each such width by its respective circumferential distance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T002 - MACT Group 1, Ext Floating Tanks						
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(c) The permittee shall add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(d) The permittee shall add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(e) If the permittee determines that it is unsafe to perform the seal gap measurements required in subconditions (a) and (b), above, or to inspect the vessel to determine compliance with the subconditions #008(h) and (i) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, the permittee shall comply with the requirements with either (e)(1) or (e)(2), below. (1) The permittee shall measure the seal gaps or inspect the storage vessel no later than thirty (30) calendar days after the determination that the roof is unsafe, or (2) The permittee shall empty and remove the storage vessel from service no later than forty-five (45) calendar days after determining that the roof is unsafe. If a failure is detected that cannot be repaired within forty-five (45) calendar days and if the vessel cannot be emptied within forty-five(45) calendar days, the permittee may utilize an extension of up to thirty (30) additional calendar days.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(003)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Monitoring Requirements	(f) The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed. [Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 129.56(h).]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(004)	[25 Pa. Code §127.511]	Recordkeeping Requirements	The permittee shall record when the status of any of these individual tanks is changed from MACT, Group 1 status.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(005)	[25 Pa. Code §127.511]	Recordkeeping Requirements	Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(b) If the permittee utilizes the extension specified in Condition #003(e)(2), or Condition #008(k), of this source, the permittee shall document the decision. Documentation of a decision to utilize the extension shall include: a description of the failure, document that alternate storage capacity is unavailable, and specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied, as soon as practical.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(006)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(c) The permittee shall maintain a list of tanks designated as Group 1 or Group 2 on site, and shall update this list as necessary.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) Except as provided in subcondition (b), below, for all the inspections required by Condition #003(f), the permittee shall notify the Administrator in writing at least thirty (30) calendar days prior to the refilling of each storage vessel with organic HAP to afford the Administrator the opportunity to inspect the storage vessel prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T002 - MACT Group 1, Ext Floating Tanks						
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(b) If the inspection required by Condition #003(f), above, is not planned and the permittee could not have known about the inspection thirty (30) calendar days in advance of refilling the vessel with organic HAP, the permittee shall notify the Administrator at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternately, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven (7) calendar days prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(c) The Administrator can waive the notification requirements specified in this condition for all or some storage vessels subject to these requirements. The Department may also grant permission to refill storage vessels sooner than thirty (30) days after submitting the notifications specified in 40 C.F.R. §63.646 for all storage vessels or for individual storage vessels on a case-by-case basis.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(d) The permittee shall notify the Administrator in writing thirty (30) calendar days in advance of any gap measurements required by Condition #003, above, to afford the Administrator the opportunity to have an observer present.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(e) If seal gaps in exceedance of Condition #001(b) and (c), above, are found during the inspections required by Condition #003(a) or if the specification in Conditions #008(h) and (i) are not met, the permittee shall report the following information in the Periodic Report: (1) Date of the seal gap measurement. (2) The raw data obtained in the seal gap measurement and the calculations described in Conditions #003(c) and (d). (3) Description of the failure. (4) Description of any seal condition specified in Conditions #008(h) and (i) that is not met. (5) Description of the nature of and date the repair was made, or the date the storage vessel was emptied.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(f) If a failure is detected during the inspection required by Condition #003(f) (i.e., internal inspection), the permittee shall report the following information in the Periodic Report: (1) Date of the inspection. (2) Identification of each storage vessel in which a failure was detected. (3) Description of the failure. (4) Describe the nature of and date the repair was made . Note: For subcondition (f), above, a failure is defined as any time in which the external floating roof has defects; or 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(g) If an extension is utilized in accordance with Condition #008(i), below, the permittee shall, in the next Periodic Report include the following: (1) Identify the storage vessel. (2) Description of the failure. (3) Document that alternate storage capacity was not available. (4) Describe the nature of and date the repair was made.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(007)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Reporting Requirements	(h) The Permittee will notify the Administrator semiannually (in the periodic report) of any change to the group status of these tanks.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The external floating roof shall be floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the following periods: (1) During the initial fill. (2) After the vessel has been completely emptied and degassed. (3) When the vessel is completely emptied before being subsequently refilled.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

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Section D. T002 - MACT Group 1, Ext Floating Tanks						
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(b) When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as soon as practical. Note: The intent of subconditions (a) and (b), above, is to avoid having a vapor space between the floating roof and the stored liquid for extended periods. Storage vessels may be emptied for purposes such as routine storage vessel maintenance, inspections, petroleum liquid deliveries, or transfer operations. Storage vessels where liquid is left on walls, as bottom clingage, or in pools due to floor irregularity are considered completely empty.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(c) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device meets the following criteria: (1) Consist of two seals, one above the other. (2) The primary seal shall be either a metallic shoe seal or a liquid-mounted seal.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(d) Except during inspections required in Condition #003, both the primary and secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(e) Automatic bleeder vents are to be 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(f) If a cover or lid is installed on an opening on a floating roof, the cover or lid shall remain closed except when the cover or lid must be open for access.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(g) Rim space vents are to be set to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer§s recommended setting.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(h) The primary seal shall also meet the following requirements: (1) Where a metallic shoe seal is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 24 inches above the stored liquid surface. (2) There shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(i)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(i) The secondary seal shall also meet the following requirements: (1) The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided by, Condition #003(d). (2) There shall be no holes, tears, or other openings in the seal or seal fabric.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(j)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(j) If during the inspections required in Condition #003(f), 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, the permittee shall repair the items as necessary so that none of the conditions specified in this subcondition exist before refilling the storage vessel with organic HAP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(008)(k)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Work Practice Requirements	(k) The permittee shall repair any conditions that do not meet the requirements in Conditions #001(b) and (c) or subcondition (h) and (i), above, no later than forty-five (45) calendar days after identification, or shall empty and remove the storage vessel from service no later than forty-five (45) calendar days after identification. If a failure is detected that cannot be repaired within forty-five (45) calendar days and if the vessel cannot be emptied within forty-five(45) calendar days, the permittee may utilize an extension of up to thirty (30) additional calendar days. [Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 129.56(h).]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T002 - MACT Group 1, Ext Floating Tanks						
T002 - MACT Group 1, Ext Floating Tanks	(D)(T002)(009)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, the following individual tanks comprise this source subject to MACT Group 1, External Floating Roof requirements: - DEP Source number 123, capacity - 43 M barrels - DEP Source number 124, capacity - 43 M barrels - DEP Source number 126, capacity - 59 M barrels - DEP Source number 127, capacity - 59 M barrels - DEP Source number 136, capacity - 53 M barrels - DEP Source number 141, capacity - 53 M barrels - DEP Source number 143, capacity - 79 M barrels - DEP Source number 144, capacity - 86 M barrels - DEP Source number 145, capacity - 82 M barrels - DEP Source number 146, capacity - 82 M barrels - DEP Source number 147, capacity - 83 M barrels - DEP Source number 148, capacity - 82 M barrels - DEP Source number 149, capacity - 83 M barrels - DEP Source number 155, capacity - 154 M barrels - DEP Source number 156, capacity - 151 M barrels - DEP Source number 157, capacity - 80 M barrels - DEP Source number 160, capacity - 129 M barrels - DEP Source number 161, capacity - 129 M barrels - DEP Source number 163, capacity - 150 M barrels - DEP Source number 164, capacity - 151 M barrels - DEP Source number 165, capacity - 244 M barrels - DEP Source number 166, capacity - 243 M barrels	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T003 - MACT Group 2 Tanks						
T003 - MACT Group 2 Tanks	(D)(T003)(001)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] The permittee may not store volatile organic compounds that have a vapor pressure of 11.1 psia or greater under actual storage conditions in any of the external floating roof tanks contained in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T003 - MACT Group 2 Tanks	(D)(T003)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T003 - MACT Group 2 Tanks	(D)(T003)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T003 - MACT Group 2 Tanks	(D)(T003)(002)(a)	[25 Pa. Code §127.511]	Recordkeeping Requirements	The permittee shall keep records of (a) The status change from MACT Group2 of any tanks under Source ID T003;	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T003 - MACT Group 2 Tanks	(D)(T003)(002)(b)	[25 Pa. Code §127.511]	Recordkeeping Requirements	(b) The throughput, type of liquid, and amount, for each individual tank on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T003 - MACT Group 2 Tanks	(D)(T003)(003)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Recordkeeping Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee shall maintain records of the dimensions of the storage vessels and an analysis showing the capacity of the storage vessels for all tanks contained in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T003 - MACT Group 2 Tanks	(D)(T003)(003)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Recordkeeping Requirements	(b) If a storage vessel is determined to be a MACT Group 2 tank because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T003 - MACT Group 2 Tanks	(D)(T003)(003)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Recordkeeping Requirements	(c) The permittee shall maintain a list of tanks designated as MACT Group 1 or MACT Group 2 onsite, and update this list as necessary.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T003 - MACT Group 2 Tanks	(D)(T003)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T003 - MACT Group 2 Tanks	(D)(T003)(004)	[25 Pa. Code §129.57]	Work Practice Requirements	The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department. Section 129.56(g) (relating to storage tanks greater than 40,000 gallons capacity containing volatile organic compounds) applies to this section. Petroleum liquid storage vessels which are used to store produced crude oil and condensate prior to lease custody transfer shall be exempt from the requirements of this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T003 - MACT Group 2 Tanks	(D)(T003)(005)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, this source consists of the following individual storage tanks that are subject to MACT Group 2 requirements: - DEP Source number 138, capacity - 53 M barrels, external floating roof - DEP Source number 142, capacity - 77 M barrels, external floating roof - DEP Source number 151, capacity - 78 M barrels, external floating roof - DEP Source number 154, capacity - 81 M barrels, external floating roof - DEP Source number 194, capacity - 85 M barrels, internal floating roof - DEP Source number 300, MISCELLANEOUS MACT GROUP 2 TANKS If the permittee elects to change any tank(s) in this group to MACT Group 1 status, such tank(s) shall comply with the provisions outlined for MACT Group 1 tanks (Source T002 for external floating roof tanks) rather than the provisions of this source.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T004 - RACT-Only Ext Float Roof Tanks						
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(001)	[25 Pa. Code §129.56]	Emission Restriction	The permittee may not store VOCs that have a vapor pressure of 11 psia or greater under actual storage conditions in any of these external floating roof tanks in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(002)	[25 Pa. Code §129.56]	Monitoring Requirements	The permittee shall perform routine inspections annually, which shall include a visual inspection of the secondary seal, in compliance with Condition #007(a), for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(003)	[25 Pa. Code §127.511]	Recordkeeping Requirements	The permittee shall record when the status of any of these individual tanks is changed from State-Only external floating roof status to either MACT Group 1 or MACT Group 2.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(004)	[25 Pa. Code §127.511]	Recordkeeping Requirements	Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(005)	[25 Pa. Code §129.56]	Recordkeeping Requirements	The permittee shall maintain records of the types of volatile petroleum liquids stored, the maximum true vapor pressure of the liquid as stored, and the results of the routine annual inspections.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(006)	[25 Pa. Code §129.56]	Reporting Requirements	If a failure detected during the routine annual inspections, required by Condition #002, for this source, cannot be repaired within forty-five (45) days and if the vessel cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the Department. A request for an extension shall document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the equipment will be repaired or the vessel will be emptied as soon as possible, but within the additional thirty (30) day time requested.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)	[25 Pa. Code §129.56]	Work Practice Requirements	(a) An external floating roof shall be fitted with a primary seal and a continuous secondary seal extending from the floating roof to the tank wall. The external floating roof shall meet the specifications listed below:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)(1)	[25 Pa. Code §129.56]	Work Practice Requirements	(1) Seal closure devices shall meet the following requirements: (i) There are no visible holes, tears or other openings in the seals or seal fabric. (ii) The seals are intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)(2)	[25 Pa. Code §129.56]	Work Practice Requirements	(2) Openings in the external floating roof, except for automatic bleeder vents, rim space vents and leg sleeves, are as follows: (i) Equipped with covers, seals or lids in the closed position except when the openings are in actual use. (ii) Equipped with projections into the tank which remain below the liquid surface at all times	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)(3)	[25 Pa. Code §129.56]	Work Practice Requirements	(3) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)(4)	[25 Pa. Code §129.56]	Work Practice Requirements	(4) Rim vents are set to open when the roof is being floated off the leg supports or at the recommended setting of the manufacturer.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(a)(5)	[25 Pa. Code §129.56]	Work Practice Requirements	(5) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers which cover at least 90% of the area of the opening.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(b)	[25 Pa. Code §129.56]	Work Practice Requirements	(b) For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature of the hottest month of the year in which the storage takes place.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(007)(c)	[25 Pa. Code §129.56]	Work Practice Requirements	(c) If a failure is detected during the routine annual inspections, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. A 30-day extension may be requested from the Department if this cannot be accomplished.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T004 - RACT-Only Ext Float Roof Tanks						
T004 - RACT-Only Ext Float Roof Tanks	(D)(T004)(008)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, this source consists of the following individual external floating roof tanks subject to 25 Pa. Code 129.56: - DEP Source number 126, capacity - 59 M barrels - DEP Source number 127, capacity - 59 M barrels - DEP Source number 145, capacity - 82 M barrels - DEP Source number 146, capacity - 82 M barrels - DEP Source number 147, capacity - 83 M barrels - DEP Source number 148, capacity - 82 M barrels - DEP Source number 149, capacity - 83 M barrels - DEP Source number 155, capacity - 154 M barrels - DEP Source number 156, capacity - 151 M barrels - DEP Source number 157, capacity - 80 M barrels - DEP Source number 160, capacity - 129 M barrels - DEP Source number 161, capacity - 129 M barrels - DEP Source number 163, capacity - 150 M barrels - DEP Source number 164, capacity - 151 M barrels	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T005 - Ext Float NSPS Kb Tanks						
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(001)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Emission Restriction	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee may not store volatile organic compounds that have a vapor pressure of 11.1 psia or greater under actual storage conditions in external floating roof tanks contained in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(001)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Emission Restriction	(b) The accumulated area of gaps between the vessel wall and the primary seal, as determined by Condition #002(c), below, shall not exceed 212 square centimeters per meter of tank diameter and the width of any portion of any gap shall not exceed 3.81 centimeters.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(001)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Emission Restriction	(c) The accumulated area of gaps between the vessel wall and the secondary seal, as determined by Condition #002(c), below, shall not exceed 21.2 square centimeters per meter of vessel diameter and the width of any portion of any gap shall not exceed 1.27 centimeters. These seal gap requirements may be exceeded during the measurement of primary seal gaps as required in this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee shall 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 following frequency: (1) Measurements of gaps between the vessel wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days of the initial fill with volatile organic liquid (VOL) and at least once every 5 years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(2) Measurements of gaps between the vessel wall and the secondary seal shall be performed within 60 days of the initial fill with VOL and at least once per year thereafter.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(a)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(3) If any storage vessel ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of subconditions (a)(1) and (a)(2), above.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(b) The permittee shall determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the following procedures: (1) Seal gaps, if any, shall be measured at one or more floating roof levels when the roof is not resting on the roof leg supports. (2) Seal gaps, if any, shall be measured around the entire circumference of the vessel in each place where an 1/8 inch diameter uniform probe passes freely (without forcing or binding against the seal) between the seal and the wall of the storage vessel. The circumferential distance of each such location shall also be measured. (3) The total surface area of each gap described in subcondition (b)(2), above, shall be determined by using probes of various widths to measure accurately the actual distance from the vessel wall to the seal and multiplying each such width by its respective circumferential distance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T005 - Ext Float NSPS Kb Tanks						
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Monitoring Requirements	(c) The permittee shall add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum of each seal by the nominal diameter of the vessel.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(d) The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(e)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(e) Available data on the storage temperature may be used to determine the maximum true vapor pressure for Condition #004(b)(5), for this source, as determined below. (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(002)(e)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Monitoring Requirements	(2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following: (i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s). (ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 2.0 psia or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 0.51 psia.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(003)	[25 Pa. Code §127.511]	Recordkeeping Requirements	Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]	Recordkeeping Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The permittee shall keep a record of each gap measurement performed as required by Condition #002(a), above. 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 Conditions #002(b) and (c), above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]	Recordkeeping Requirements	(b) The permittee shall keep records of the following for each storage vessel:. (1) Dimension of the storage vessel . (2) Analysis showing the capacity of the storage vessel. (3) The VOL stored. (4) The period of storage. (5) The maximum true vapor pressure of that VOL during the respective storage period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) Except as provided in 40 C.F.R. §60.113(b), for all the inspections required by Condition #002(d), above, the permittee shall notify the Administrator in writing at least thirty (30) calendar days prior to the refilling of each storage vessel with organic HAP to afford the Administrator the opportunity to inspect the storage vessel prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T005 - Ext Float NSPS Kb Tanks						
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(b) If the inspection required by Condition #002(d), above, is not planned and the permittee could not have known about the inspection thirty (30) calendar days in advance of refilling the vessel with VOL, the permittee shall notify the Administrator at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternately, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least 7 calendar days prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(005)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(c) After each seal gap measurement that detects gaps exceeding the limitations specified in Conditions #001(b) or (c), above, the permittee shall submit a report to DEP within thirty (30) days of inspection. The report will identify the vessel and contain the following information: (1) The date of measurement. (2) The raw data obtained in the measurement. (3) The calculations described in Conditions #002(b) and (c), above. (4) The date the vessel was emptied or the repairs made and date of repair.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(005)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(d) The permittee shall notify the Administrator in writing thirty (30) calendar days in advance of any gap measurements required in the monitoring requirements to afford the Administrator the opportunity to have an observer present.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(005)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(e) To utilize the extension specified in Condition #006(i), below, the permittee shall send a request to DEP which includes a demonstration of unavailability of alternate storage capacity and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as possible.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.] (a) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(b) When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as soon as practical.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(c) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device meets the following criteria: (1) Consist of two seals, one above the other. (2) The primary seal shall be either a metallic shoe seal or a liquid-mounted seal.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(d) Except during inspections required by Condition #002, for this source, both the primary and secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T005 - Ext Float NSPS Kb Tanks						
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(e) 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, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be 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. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(f) The primary seal shall also meet the following requirements: (1) Where a metallic shoe seal is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 centimeters above the stored liquid surface. (2) There shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(g) The secondary seal shall also meet the following requirements: (1) The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided by Condition #002(a). (2) There shall be no holes, tears, or other openings in the seal or seal fabric	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(h) If during the inspections required in Condition #002(d), above, 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, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(006)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(i) The permittee shall repair conditions that do not meet the requirements in Conditions #001(b) and (c), above, or subconditions (f) and (g) of this condition no later than forty-five (45) calendar days after identification, or shall empty and remove the storage vessel from service no later than forty-five (45) calendar days after identification. If a failure is detected that cannot be repaired within forty-five (45) calendar days and if the vessel cannot be emptied within forty-five (45) calendar days, a thirty (30) day extension may be requested from the Administrator.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T005 - Ext Float NSPS Kb Tanks	(D)(T005)(007)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, the following external floating roof tanks, subject to NSPS, Subpart Kb regulations, comprise this source: - DEP Source number 125, capacity - 43 M barrels - DEP Source number 152, capacity - 71 M barrels - DEP Source number 162, capacity - 26 M barrels - DEP Source number 165, capacity - 244 M barrels - DEP Source number 166, capacity - 243 M barrels	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys						
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(001)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.119]	Emission Restriction	The closed loop vent system shall be operated to reduce inlet emissions of total organic HAPs by 95% or greater.	Not applicable and thus not amenable to certification. These tanks are routed to the Main Flare or Lowline per 40 CFR 63.119(e)(1) & (f)(1).	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Emission Restriction	The emissions from these vessels shall be routed to Source ID 103 (Main Flare), except during: (a) Periods of planned routine maintenance of the Main Flare, not to exceed 240 hours per year. (b) A Main Flare malfunction. (c) Emissions from pressure relief valves used to relieve excess pressure in the tank to prevent tank rupture in the event of emergency conditions. The permittee shall report the date, quantity, composition, duration of emissions and corrective action taken to the department in accordance with the provisions of Condition C, #014.	Facility policies, procedures, and operating practices are in place to ensure compliance. These tanks are routed to the Main Flare or Lowline per 40 CFR 63.119(e)(1) & (f)(1).	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Monitoring Requirements	The permittee shall perform annual inspections for visible, audible, or olfactory indication of leaks. The inspections shall be performed in accordance with Method 21, of 40 C.F.R. part 60, appendix A.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(004)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) Throughput type, and amount, for each individual tank shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(004)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall maintain a list of tanks designated as MACT Group 1 or MACT Group 2 onsite, and update this list as necessary.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(005)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.123]	Recordkeeping Requirements	(a) The permittee shall maintain records of the dimensions of the storage vessels and an analysis showing the capacity of the storage vessels for all tanks contained in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(005)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.123]	Recordkeeping Requirements	(b) The permittee shall keep readily accessible records of the following: (1) the measured values of the parameters monitored in accordance with 40 C.F.R. §63.120(d)(5); and (2) the planned routine maintenance performed on the control device, including durations of each time the control device does not meet the percent reduction requirements due to the planned routine maintenance. Such a record shall include the information specified in 40 C.F.R. §63.123(f)(2) and (3).	Not applicable and thus not amenable to certification. These tanks are routed to the Main Flare or Lowline per 40 CFR 63.119(e)(1) & (f)(1).	N/A
T006 - MACT Gr 1, Tanks Routed to Closed Vent	(D)(T006)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Recordkeeping Requirements	The permittee shall record the following information: (a) Identification of all parts of the vapor collection system that are designated as: (1) unsafe to inspect with an explanation why and the plan for inspecting the equipment; (2) difficult to inspect with an explanation why and the plan for inspecting the equipment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys						
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Recordkeeping Requirements	(b) Bypass lines: (1) hourly records of the flow indicator, whether it was operating, if a diversion was detected anytime during the hour, as well as all periods of time when the indicator is not operating, or the vent stream bypasses the closed vent; or (2) monthly inspection records of the seals or closure mechanisms, the occurrence when the seal or closure mechanism is broken, the bypass valve position has changed, of the key for the lock-and-key type configuration has been checked out.	Not applicable and thus not amenable to certification. PRVs are not subject to 40 CFR § 63.148(3).	N/A
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(006)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Recordkeeping Requirements	(c) Detected leaks: (1) the instrument identification, operator name or initials, and identification of the equipment; (2) the date that the leak was detected, and the date of the first attempted repair; (3) maximum instrument reading measured after the leak is successfully repaired or determined to be nonrepairable; (4) "repair delayed" and the reason for the delay if the leak is not repaired within fifteen (15) calendar days after discovery; (5) name, initials, or other identification of the person whose decision it was that a repair could not be effected without a shutdown; (6) the expected date of successful repair of the leak if the leak is not repaired within fifteen (15) calendar days; (7) Dates of shutdowns that occur while the equipment is unrepaired.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(006)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Recordkeeping Requirements	(d) No detection of leaks during inspections a record that the inspection was performed, the date of inspection, and a statement that no leaks were detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(a) The permittee shall keep a record of the planned routine maintenance performed on the Main Flare including the duration of each time the Main Flare does not meet the control device requirements specified in Source ID 103. Such a record shall include the date and time of the start and end of the planned routine maintenance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.646]	Recordkeeping Requirements	(b) The permittee shall document and record the data, assumptions, and procedures used to determine the stored liquid weight percent total organic HAP for the purposes of group determinations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(008)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Reporting Requirements	Reports are required to be submitted to the EPA, and the Department, if: (a) the vent stream is diverted from the control device through the bypass line; and (b) the seal mechanism is broken, the bypass line valve position has changed, or the key to unlock the bypass line valve was checked out.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(009)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Reporting Requirements	(a) The permittee shall include in the Periodic Report a description of the planned routine maintenance that is anticipated to be performed on the Main Flare during the next six (6) months. This description shall include the type of maintenance necessary, planned frequency of the maintenance, and the lengths of the maintenance periods.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(009)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Reporting Requirements	(b) The permittee shall include in the Periodic Report a description of the planned routine maintenance that was performed on the Main Flare during the previous six (6) months. This description shall include the type of maintenance performed and the total number of hours during those six (6) months that the Main Flare did not meet the control requirements due to planned routine maintenance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(009)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Reporting Requirements	(c) After a vessel has been emptied and degassed, the permittee shall notify the EPA and the Department at least thirty (30) days prior to refilling a vessel with organic HAPs.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys						
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(009)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]	Reporting Requirements	(d) The permittee shall submit the following as part of the periodic report: (1) a description of the planned routine maintenance that would require the flare to not meet the 95% reduction requirement; (2) a description of the anticipated planned routine maintenance for the flare in the next six (6) month period. The description shall include the type of maintenance, its planned frequency, and the lengths of maintenance periods; and (3) The report shall describe each occurrence and the reasons that the flare does not meet the general requirements of 40 C.F.R. §63.11(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(010)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Work Practice Requirements	(a) For bypass lines that could divert a vent stream away from the closed-vent system, the permittee shall: (1) secure the bypass line valve in the closed position with a car-seal or a lock and key type of configuration. A visual inspection shall be performed at least once per month to ensure that the valve is maintained in the closed supposition and the vent stream is not diverted through the bypass; or (2) calibrate, maintain, and operate a flow indicator that determines whether vent stream flow is present at least once every fifteen (15) minutes. The flow indicator shall be installed at the entrance to any bypass line and records shall be generated as specified in 40 C.F.R. §63.118(a)(3). NOTE: Equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes are not subject to condition (a).	Not applicable and thus not amenable to certification. PRVs are not subject to this condition.	N/A
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(010)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Work Practice Requirements	(b) The following are exempt from the inspection requirements for this source: (1) any part of the closed vent system that is designated in 40 C.F.R. §63.148(i)(1) as unsafe to inspect because inspecting personnel would be exposed to imminent or potential danger as a consequence and that the permittee has a written plan requiring inspection of the equipment as frequently as practicable during safe-to-inspect times; (2) any part of the closed vent system that is designated in 40 C.F.R. §63.148(i)(1) as difficult to inspect because the permittee determined that the equipment cannot be inspected without elevating the inspecting personnel more than two (2) meters above a support surface and that the permittee has a written plan that requires inspection of the equipment at least once every five (5) years.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(010)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Work Practice Requirements	(c) Instrument leaks are defined as readings of 500 ppm above background. A first attempt at repair shall be made no later than five (5) calendar days after the leak is detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(010)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.148]	Work Practice Requirements	(d) Leaks as indicated by an instrument reading greater than 500 ppm above background, or by visual inspections, shall be repaired as soon as practicable, except when the repair is technically infeasible without a shutdown of the source or if the permittee determines that the emissions resulting from the immediate repair would be greater than the fugitive emissions likely to result from the delay of the repair. Repair of such equipment shall be complete by the end of the next shutdown. (1) A first attempt at repair shall be made no later than five (5) calendar days after the leak is detected. (2) Repair shall be completed no later than fifteen (15) calendar days.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T006 - MACT Gr 1, Tanks Routed to Closed Vent Sys	(D)(T006)(011)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, this source consists of the following individual sources: - DEP Source number 501, capacity - 1.26MM gallons, controlled by Main Flare, Source ID 103 - DEP Source number 502, capacity - 1.26MM gallons, controlled by Main Flare, Source ID 103 - DEP Source number 513, capacity - 1.26MM gallons, vented to a Lowline Unit that collects gases for the fuel gas system.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T007 - Internal Float NSPS Kb Tanks						
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(001)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Emission Restriction	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee may not store volatile organic compounds that have a vapor pressure of 11.1 psia or greater under actual storage conditions in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).		N/A
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(002)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The permittee shall visually inspect the internal floating roof and the primary seal prior to filling the storage tank with VOL.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(002)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Monitoring Requirements	(b) The permittee shall visually inspect the internal floating roof and the primary seal through the manholes and roof hatches on the fixed roof at least once every twelve (12) months after the initial fill.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(002)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Monitoring Requirements	(c) The permittee shall visually inspect the internal floating roof, the primary seal, gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed, and at least every ten (10) years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(003)	[25 Pa. Code §127.511]	Recordkeeping Requirements	Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(004)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The permittee shall keep a record of each inspection performed as required by Condition #002, for this source, which shall include: (a) Identification of the storage tank. (b) The date of the inspection. (c) The observed condition of each component inspected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The permittee shall keep records of the following for each storage vessel: (1) The dimensions of the storage vessel, (2) The capacity of the storage vessel, (3) The VOL stored, (4) The period of storage for which the VOL was stored in the vessel, (5) The maximum true vapor pressure of that VOL during the respective storage period.	Facility policies, procedures, and operating practices are in place to ensure compliance. New master tank lists are modified whenever tank information is revised. These lists are stored on the computer network and in offsite operating areas.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T007 - Internal Float NSPS Kb Tanks						
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]	Recordkeeping Requirements	(b) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below: (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service, (2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following: (i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be samples, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s). (ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 2.0 psia or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded of the estimated maximum true vapor pressure is greater than 0.51 psia.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(006)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Except as provided in subcondition (b), below, for inspections required by Condition #002(a) and (c), for this source, the permittee shall notify the Administrator in writing at least thirty (30) calendar days prior to the filling or refilling of the tank with VOL to afford the Administrator the opportunity to inspect the storage vessel prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(006)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(b) If the inspection is not planned and the permittee could not have known about the inspection thirty (30) days in advance of refilling the vessel with VOL, the permittee shall notify the Administrator at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven (7) calendar days prior to refilling.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) After each visual inspection that detects defects, the permittee shall submit a report to the Administrator within thirty (30) days of the inspection. The report shall contain the following information: (1) The identity of the storage vessel inspected. (2) The nature of the defects. (3) The date the tank was emptied or the nature of and date the repair was made.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Reporting Requirements	(b) If defects found during the inspection cannot be repaired within forty-five (45) days and if the tank cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the Administrator in the inspection report required by subcondition (a), above. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the tank will be emptied as soon as possible.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) Except for automatic bleeder vents and rim space vents, each opening in a noncontact internal floating roof shall provide a projection below the liquid surface.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T007 - Internal Float NSPS Kb Tanks						
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(b) Except for automatic bleeder vents, rim space vents, leg sleeves, column wells, ladder wells, sampling wells, and stub drains, each opening in the roof is to be equipped with a gasketed cover or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(c) Automatic bleeder vents shall be equipped with a gasket and are to be 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(d) Rim vents shall be equipped with a gasket and are to be set to open only when the roof is being floated off the roof leg supports, or at the manufacturer's recommended setting.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(e) Each penetration of the internal floating roof that allows for the column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(f) 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 ninety (90) percent of the opening.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(008)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(g) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(009)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The internal floating roof shall be equipped with a closure device between the wall of the storage vessel and the floating roof edge. The closure device shall consist of a single mechanical shoe seal.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(010)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The internal floating roof shall rest or float on the liquid surface, (but not necessarily in complete contact with it) inside the tank at all times, except during those intervals when the tank is completely emptied or subsequently emptied and refilled.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]	Work Practice Requirements	(b) When the floating 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2017 Compliance: Continuous or Intermittent
Section D. T007 - Internal Float NSPS Kb Tanks						
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(011)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) If during the inspection required by Condition #002(a), for this source, the primary seal has holes, tears or other openings in the seal fabric, or there are defects in the internal floating roof, the permittee shall repair the items as necessary so that none of the conditions specified in this condition exist before filling the storage vessel with VOL.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(011)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Work Practice Requirements	(b) If during the inspection required by Condition #002(b), for this source, the internal floating roof is not resting on the surface of the VOL inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the tank from service within forty-five (45) days. If a failure cannot be repaired with in forty-five (45) days and if the vessel cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested in accordance with the requirements specified in Condition #007(b) for this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(011)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]	Work Practice Requirements	(c) If during the inspection required by Condition #002(c), of this source, the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten (10) percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this subcondition exist before refilling the tank with VOL.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
T007 - Internal Float NSPS Kb Tanks	(D)(T007)(012)	[25 Pa. Code §127.503]	Additional Requirements	As of the issuance date of this permit, the following individual internal floating roof storage tanks, subject to 40 C.F.R. 60, Subpart Kb, are included in this source: - DEP Source number 190, capacity - 15 M barrels - DEP Source number 139, capacity - 105 M barrels	NA	N/A