42-045-00070

Monroe Energy, LLC
4101 Post Road
Trainer, PA 19061
(610) 364-8000

March 30, 2016

Via FedEx: 7759 8122 5325

Mr. James Rebarchak
Air Quality Program Manager
Commonwealth of Pennsylvania
Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

RECEIVED
MAR 31 2016
Air Protection Division

Re: Monroe Energy, LLC – Trainer Refinery
Title V Annual Compliance Certification and Deviation Report
TVOP #23-00003
Reporting Period: January 1, 2015 – December 31, 2015

Dear Mr. Rebarchak:

In accordance with Title V Operating Permit (TVOP) number 23-00003, Condition #013(e) in Section C, and Conditions #020 and #024 in Section B, Monroe Energy hereby submits its annual Title V Certificate of Compliance and Deviation report for the period of January 1, 2015 through December 31, 2015. Please note that this annual compliance certification and deviation report was prepared using the September 22, 2014 version of the facility's TVOP.

Should you have any questions or comments regarding these reports, please contact me at (610) 364-8528.

Sincerely,
MONROE ENERGY, LLC

Haley Ilg
Air Permitting Compliance Lead

Enclosure

cc: Office of Air Enforcement & Compliance Assistance (3AP20)
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029
Via FedEx: 7759 8120 8712

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION			
Facility Name:	Monroe Energy Trainer Refinery	**Owner/Operator:**	Monroe Energy LLC
Tax ID/Plant:	73-0400345-1	**DEP Facility ID:**	293037
Contact Person:	Matt Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

For the period 01/01/15 to 12/31/15, Monroe Energy/TRAINER REF has been in continuous compliance with all applicable requirements of permit # 23-00003, determined by the method(s) of compliance specified in said permit, except for the following deviations, exceedances, and excursions:

Citation	Permit Section	Type of Requirement	Permit Condition	Terms & Conditions Contained in the Permit	Source	Noncompliance	Monitoring Method(s)	Date	Duration	Corrective Action(s)
[25 Pa. Code §127.512]	SECTION C. Site Level Requirements	Work Practice Requirements	(C)(SITE)(019)(a)	(a) The permittee shall ensure that the source(s) and air pollution control device(s) listed in this permit are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturers' specifications, unless otherwise specifically provided elsewhere in this permit.	SITE	Unit ID 101 did not pass a compliance stack test conducted in December 2014. New test was conducted in May 2015 which complies with the PM limit.	Emissions compliance testing	1/1/2015-5/14/2015	103 days	The ESP was repaired and the unit retested following the outcome of an investigation.
[25 Pa. Code §127.441]	Section D. 101 - FCC Unit	Emission Restriction	(D)(101)(001)(d)	(d) Particulate Matter (PM) emissions shall not exceed 93.3 tons per year calculated as a 12-month rolling sum and 0.5lb/1000lb coke burned on a 3-hour average basis. Compliance with this PM emission limit assured compliance with 40 C.F.R. §§60.102(a)(1) and 63.1564(a)(1).	101 - FCC Unit	Exceedance of 0.5lb PM/1,000 lb coke burn-off Limit	Emissions compliance testing	1/1/2015-5/14/2015	103 days	Stack test in December 2014 exceeded the PM limit. FCCU was retested in May 2015 and compliance with the limit confirmed.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Section D. 101 - FCC Unit	Work Practice Requirements	(D)(101)(026)	The permittee shall always operate and maintain the source, including air pollution control and monitoring equipment, according to the provisions in 40 C.F.R. §63.6(e)(1)(i).	101 - FCC Unit	Exceedance of 0.5lb PM/1,000 lb coke burn-off Limit	Emissions compliance testing	1/1/2015-5/14/2015	103 days	Stack test in December 2014 exceeded the PM limit. FCCU was retested in May 2015 and compliance with the limit confirmed.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Section D. 101 - FCC Unit	Emission Restriction	(D)(101)(002)(a)	a. The permittee shall be in compliance with all of the non-opacity standards set forth in 40 C.F.R. 63 Subpart UUU. The non-opacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the non- opacity emission standards set forth in 40 C.F.R. 63 Subpart UUU, then that emission point must still be required to comply with the non-opacity emission	101 - FCC Unit	Exceedance of PM Emission Limit as Noted Above	Emissions compliance testing	1/1/2015-5/14/2015	103 days	Stack test in December 2014 exceeded the PM limit. FCCU was retested in May 2015 and compliance with the limit confirmed.
[25 Pa. Code §121.7]	SECTION C. Site Level Requirements	Emission Restriction	(C)(SITE)(001)	No person may permit air pollution, as that term is defined in the Air Pollution Control Act (35 PS Section 4003), except as specifically authorized elsewhere in this permit.	SITE	Hydrocarbon leak from Naphtha Stabilizer	Leak was identified by Area Operator during normal rounds.	6/3/2015	7.5 hours	An incident report was submitted to DEP on 6/17/2015 detailing the incident and corrective actions taken.
						Sour Gas Flare flame out after severe storm.	Continuous Monitoring System (CMS)	6/23/2015	21.8 hours	An incident report was submitted to DEP on 7/8/2015 detailing the incident and corrective actions taken.
[25 Pa. Code §127.511]	SECTION C. Site Level Requirements	Reporting Requirements	(C)(SITE)(013)(a)	(a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Sections A or H, of this permit, which results in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III that are not measured by a Department certified continuous monitor. Reports of excess emissions from these continuous monitors are also reported in conformance with 40 C.F.R. §§ 60.7(c) and 60.105(c)(3).	SITE	The outage of the Sour Gas Flare was reported after 2 hours had elapsed.	Incident details were reviewed during the investigation.	6/23/2015	16 hours	The incident was reported to DEP approximately 16 hours after the incident started. Incident reporting requirements were reviewed with the on-call personnel to ensure proper reporting of future incidents.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION			
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Tax ID/Plant:	73-0400345-1	**DEP Facility ID:**	293037
Contact Person:	Matt Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

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Citation	Permit Section	Type of Requirement	Permit Condition	Terms & Conditions Contained in the Permit	Source	Noncompliance	Monitoring Method(s)	Date	Duration	Corrective Action(s)
[25 Pa. Code §127.441]	Section D. 034 - Boiler 9	Emission Restriction	(D)(034)(001)(a)(1)	(a) Stack emissions from this boiler shall not exceed any of the following: (1) SOx - 3.43 lbs/hr and 15.0 tons/12 consecutive month period [Compliance with these limits assure compliance with 25 Pa. Code § 123.22(e)(1) and 40 C.F.R. §60.104(a)(1)].	034 - Boiler 9	Exceedance of the 3.43 lb/hr SOx limit	Continuous Emissions Monitoring System (CEMS)	2/16/2015	2 hours	Fuel gas H2S levels returned to normal.
[25 Pa. Code §127.441]	Section D. 035 - Boiler 10	Emission Restriction	(D)(035)(001)(a)(1)	(a) Stack emissions from this boiler shall not exceed any of the following: (1) SOx - 3.43 lbs/hr and 15.0 tons/12 consecutive month period [Compliance with these limits assure compliance with 25 Pa. Code § 123.22(e)(1) and 40 C.F.R. §60.104(a)(1)].	035 - Boiler 10	Exceedance of the 3.43 lb/hr SOx limit	Continuous Emissions Monitoring System (CEMS) Continuous Emissions Monitoring System (CEMS)	2/16/2015 6/12/2015	2 hours 2 hours	Fuel gas H2S levels returned to normal. Fuel gas H2S levels returned to normal.
[25 Pa. Code §127.441]	Section D. 035 - Boiler 10	Emission Restriction	(D)(035)(001)(a)(2)	(a) Stack emissions from this boiler shall not exceed any of the following: (2) NOx - 2.7 lbs/hr and 11.8 tons/12 consecutive month period [Compliance with these limits assure compliance with 40 C.F.R. §60.44b(a)(1)]	035 - Boiler 10	Exceedance of the 2.7 lb/hr NOx limit	Continuous Emissions Monitoring System (CEMS)	5/11/2015	1 hour	The exceedance occurred as the result of an unplanned boiler outage. The exceedance was corrected upon boiler restart.
[25 Pa. Code §127.441]	Section D. 035 - Boiler 10	Control Device Efficiencies Restriction	(D)(035)(003)(b)	(b) The catalyst bed inlet temperature shall be maintained at a minimum of 450°F at all times when this source is operating, except during startup, shutdown, and malfunctions. This minimum temperature has been determined during initial stack testing.	035 - Boiler 10	Catalyst temperature less than 450°F	Continuous Monitoring System (CMS)	5/11/2015	3 hours	The exceedance occurred as the result of an unplanned boiler outage. The exceedance was corrected upon boiler restart.
[25 Pa. Code §127.441]	Section D. 101 - FCC Unit	Emission Restriction	(D)(101)(001)(b)	(b) Carbon Monoxide (CO) emissions shall not exceed 500 ppmvd as 1-hour average at 0 percent oxygen, and 434.1 tons per year calculated as a 12-month rolling sum. Compliance with CO emission limit of 500ppmvd assured compliance with 40 C.F.R. §§60.103(a) and 63.1565(a)(1).	101 - FCC Unit	Exceedance of 500 ppmvd CO corrected to 0% O2 Limit	Continuous Emissions Monitoring System (CEMS)	2/20/2015 2/21/2015 2/21/2015	2 hours 1 hour 1 hour	The upset condition was corrected by Console Operators.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Section D. 101 - FCC Unit	Emission Restriction	(D)(101)(002)(a)	a. The permittee shall be in compliance with all of the non-opacity standards set forth in 40 C.F.R. 63 Subpart UUU. The non-opacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the non- opacity emission standards set forth in 40 C.F.R. 63 Subpart UUU, then that emission point must still be required to comply with the non-opacity emission	101 - FCC Unit	Exceedance of CO Emission Limit as Noted Above	Continuous Emissions Monitoring System (CEMS)	2/20/2015 2/21/2015 2/21/2015	2 hours 1 hour 1 hour	The upset condition was corrected by Console Operators.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	Section D. 103 - Main Flare	Emission Restriction	(D)(103)(002)	The flare shall be operated with no visible emissions, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hour period.	103 - Main Flare	Visible emissions observed exceeding 5 minutes in a consecutive 2 hour period	Visible Emission Observations	2/17/2015 2/20/2015	1 hour 1 hour	Console Operators optimized steam flow to the flare, and corrected the process upset condition(s).
[25 Pa. Code §127.441]	Section D. 119 - Platformer Regenerator	Work Practice Requirements	(D)(119)(013)(b)	(b) The permittee shall limit the chloride level of the sorbent exiting the gas adsorption system to 1.8%, or less, calculated as a weekly average.	119 - Platformer Regenerator	Chloride level of the sorbent exiting the gas adsorption system exceeded 1.8%.	Sampling, laboratory analysis, and recordkeeping.	4/19/2015	1 week	Operating conditions within the Platformer Regenerator were optimized to return chloride levels to within operating limits.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Contact Person:	Matt Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

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Citation	Permit Section	Type of Requirement	Permit Condition	Terms & Conditions Contained in the Permit	Source	Noncompliance	Monitoring Method(s)	Date	Duration	Corrective Action(s)
[25 Pa. Code §127.441]	Section D. 121 - Sour Gas Flare	Reporting Requirements	(D)(121)(008)	The permittee shall report all flame outages to DEP, as per the malfunction reporting provisions in Section C of this Operating Permit.	121 - Sour Gas Flare	Flameout that occurred on 6/23 was reported to DEP more than 2 hours after occurrence.	Continuous Monitoring System (CMS)	6/23/2015	16 hours	The incident was reported to DEP approximately 16 hours after the incident started. Incident reporting requirements were reviewed with the on-call personnel to ensure proper reporting of future incidents.
[25 Pa. Code §127.441]	Section D. 121 - Sour Gas Flare	Work Practice Requirements	(D)(121)(009)	The permittee shall eliminate the routes of continuous or intermittent, routinely-generated fuel gases to the flare and operate the flare such that it receives only process upset gases, fuel gas released as a result of relief valve leakage or gases released due to other emergency malfunctions.	121 - Sour Gas Flare	The flare receives purge gas in the 6" header from the knockout pot. The SWS Tank is constantly purged with nitrogen and is routed to the flare via a separate 3" header.	This condition was added to the facility TVOP by DEP during the permit's most recent revision. A similar condition exists for the Acid Gas Flare. The Sour Gas Flare continuously receives flow from the Sour Water Storage Tank.	1/1/2015	6 Months	The Refinery cannot comply with this condition as written. The Sour Gas Flare continuously receives purge gases from the Sour Water Storage Tank. The Refinery believes that DEP added this condition to Source 121 in error.
[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Section D. 121 - Sour Gas Flare	Work Practice Requirements	(D)(121)(010)(b)	(b) The flare shall be operated with a flame present at all times, as determined by the method specified in 40 C.F.R. §60.18(f).	121 - Sour Gas Flare	Sour gas flare flame out after severe storm.	Continuous Monitoring System (CMS)	6/23/2015	22 hours	An incident report was submitted to DEP on 7/8/2015 detailing the incident and corrective actions taken.
[25 Pa. Code §121.7]	SITE	Emission Restriction	(C)(SITE)(001)	No person may permit air pollution, as that term is defined in the Air Pollution Control Act (35 PS Section 4003), except as specifically authorized elsewhere in this permit.	SITE	Visible Emissions from Flare	Visible Emission Observations	10/9/2015	0.75 hours	An incident report was submitted to DEP on 10/22/2015 detailing the incident and corrective actions taken.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	103 - Main Flare	Emission Restriction	(D)(103)(002)	The flare shall be operated with no visible emissions, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hour period.	103 - Main Flare	Visible emissions observed exceeding 5 minutes in a consecutive 2 hour period	Continuous Emissions Monitoring System (CEMS)	10/9/2015	1.3 Hours	An incident report was submitted to DEP on 10/22/2015 detailing the incident and corrective actions taken.
[25 Pa. Code §121.7]	SITE	Compliance Schedule	(C)(SITE)(024)	Source ID 103 - Main flare shall be in compliance with the applicable requirements specified in 40 C.F.R. 60 Subpart Ja no later than November 11, 2015.	SITE	Main Flare was not in compliance with NSPS Ja on November 11, 2015.	Continuous Emissions Monitoring System (CEMS)	11/11/2015	33 days	Flare Gas Recovery unit was commissioned and started up.
[25 Pa. Code §127.441]	034 - Boiler 9	Emission Restriction	(D)(034)(001)(a)(1)	(a) Stack emissions from this boiler shall not exceed any of the following: (1) SOx - 3.43 lbs/hr and 15.0 tons/12 consecutive month period [Compliance with these limits assure compliance with 25 Pa. Code § 123.22(e)(1) and 40 C.F.R. §60.104(a)(1)].	034 - Boiler #9	Exceedance of the 3.43 lb/hr SOx limit	Continuous Emissions Monitoring System (CEMS)	12/23/2015	1 Hour	Short-term spikes in fuel gas H2S were corrected and fuel gas H2S levels returned to normal. SOx emissions are directly dependent upon fuel gas H2S levels.
[25 Pa. Code §127.441]	035 - Boiler 10	Emission Restriction	(D)(035)(001)(a)(1)	(a) Stack emissions from this boiler shall not exceed any of the following: (1) SOx - 3.43 lbs/hr and 15.0 tons/12 consecutive month period [Compliance with these limits assure compliance with 25 Pa. Code § 123.22(e)(1) and 40 C.F.R. §60.104(a)(1)].	035 - Boiler 10	Exceedance of the 3.43 lb/hr SOx limit	Continuous Emissions Monitoring System (CEMS)	12/23/2015	1 Hour	Short-term spikes in fuel gas H2S were corrected and fuel gas H2S levels returned to normal. SOx emissions are directly dependent upon fuel gas H2S levels.

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[25 Pa. Code §127.441]	035 - Boiler 10	Emission Restriction	(D)(035)(001)(a)(4)	(a) Stack emissions from this boiler shall not exceed any of the following: (4) CO - 6.85 lbs/hr and 30.0 tons/12 consecutive month period;	035 - Boiler 10	Exceedance of the 6.85 lb/hr CO limit	Continuous Emissions Monitoring System (CEMS)	7/13/2015	1 Hour	The boiler upset was corrected.
								7/31/2015	1 Hour	The boiler upset was corrected.
[25 Pa. Code §127.441]	035 - Boiler 10	Emission Restriction	(D)(035)(001)(e)	(e) The emissions of ammonia from the SCR system shall not exceed 10 ppmvd, corrected to 3% oxygen, as measured by stack test.	035 - Boiler 10	Exceedance of the 10 ppmvd NH3 limit	Ammonia slip injection monitoring	7/31/2015	1 Hour	The boiler upset was corrected.
[25 Pa. Code §127.441]	101 - FCC Unit	Emission Restriction	(D)(101)(001)(a)(ii)	ii. 155.3 ppmdv as 7-day rolling average at 0 percent oxygen. This limit applies at all times when the FCCU and/or CO boiler are operating, except during periods of startup, shutdown, or malfunction.	101 - FCC Unit	Exceedance of the 155.3 ppmdv 7-day rolling Nox limit	Continuous Emissions Monitoring System (CEMS)	10/17/2015	12 Days	Process upset condition was corrected. Ammonia injection rate was rebalanced.
[25 Pa. Code §127.441]	101 - FCC Unit	Emission Restriction	(D)(101)(001)(b)	(b) Carbon Monoxide (CO) emissions shall not exceed 500 ppmvd as 1-hour average at 0 percent oxygen, and 434.1 tons per year calculated as a 12-month rolling sum. Compliance with CO emission limit of 500ppmvd assured compliance with 40 C.F.R. §§60.103(a) and 63.1565(a)(1).	101 - FCC Unit	Exceedance of the 500 ppmdv 1-hr CO limit	Continuous Emissions Monitoring System (CEMS)	10/10/20215	2 Hours	The boiler upset was corrected.
								11/14/2015	3 Hours	
[25 Pa. Code §127.441]	102 - Claus Sulfur Recov. Plt.	Emission Restriction	(D)(102)(002)	[Additional authority for this permit condition is also derived from Consent Decree (Civil Action H-05-258) and 40 C.F.R. Part 60 Subpart J and Part 63 Subpart UUU.] The emissions of SO2 shall not exceed 250 ppmvd, at 0% excess air on a 12-hour rolling average basis, as per 40 C.F.R. §§60.104(a)(2)(i), 60.105(a)(5), and Part 63 Subpart UUU Table 31.1.a.	102 - Claus Sulfur Recov. Plt.	Exceedance of the 250 ppmvd SO2 limit	Continuous Emissions Monitoring System (CEMS)	8/13/2015	11 Hours	Operations stop sending acid gas to SRU and increased Amine circulation rates.
[25 Pa. Code §127.512]	103 - Main Flare	Work Practice Requirements	(D)(103)(015)(b)	(b) The flare shall be used only with the net heating value of the gas being combusted at 300 Btu/scf, or greater (for steam assisted flares).	103 - Main Flare	Minimum Btu/scf not maintained	Btu Analyzer	7/12/2015	1 Hour	Console operators adjusted steam flow to the flare.
								8/19/2015	1 Hour	
								12/17/2015	1 Hour	
								12/21/2015	3 Hours	
								12/22/2015	1 Hour	
[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	103 - Main Flare	Fuel Restriction	(D)(103)(004)	The permittee shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv (0.10 gr/dscf) determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	103 - Main Flare	Exceeded 162 ppmv H2S limit	Continuous Emissions Monitoring System (CEMS)	11/11/2015	23 Hours	Flare Gas Recovery unit was commissioned and started up.
								11/12/2015	16 Hours	
								11/13/2015	24 Hours	
								11/14/2015	24 Hours	
								11/15/2015	19 Hours	
								11/16/2015	4 Hours	
								11/18/2015	9 Hours	
								11/19/2015	15 Hours	
								11/20/2015	11 Hours	
								11/21/2015	1 Hour	
								11/22/2015	17 Hours	
								11/23/2015	24 Hours	
								11/24/2015	24 Hours	
								11/25/2015	13 Hours	
								11/26/2015	24 Hours	
								11/27/2015	24 Hours	
								11/28/2015	24 Hours	
								11/29/2015	24 Hours	
								11/30/2015	20 Hours	
								12/1/2015	9 Hours	

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[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	103 - Main Flare	Fuel Restriction	(D)(103)(004)	The permittee shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv (0.10 gr/dscf) determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	103 - Main Flare	Exceeded 162 ppmv H2S limit	Continuous Emissions Monitoring System (CEMS)	12/2/2015	22 Hours	Flare Gas Recovery unit was commissioned and started up.
								12/3/2015	15 Hours	
								12/4/2015	4 Hours	
								12/5/2015	24 Hours	
								12/6/2015	24 Hours	
								12/7/2015	24 Hours	
								12/8/2015	24 Hours	
								12/9/2015	21 Hours	
								12/10/2015	24 Hours	
								12/11/2015	14 Hours	
								12/12/2015	16 Hours	
								12/13/2015	12 Hours	
								12/14/2015	15 Hours	
								12/18/2015	3 Hours	Operations shut down compressor and de-pressured to flare.
[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	115 - NSPS Fugitive Equipment	Monitoring Requirement	(D)(115)(004)(B)(a)(2)(i)	(i) Monitor the valve as in 40 C.F.R. §60.482-7(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.	115 - NSPS Fugitive Equipment	Alky Unit. MOC was Reviewed and approved as LDAR applicable; Valves were not monitored within 30 days of startup.	LDAR	6/11/2015	N/A	Valves were monitored.
[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	128 - MACT Fugitives	Monitoring Requirement	(D)(128)(004)(B)(a)(2)(i)	(i) Monitor the valve as in 40 C.F.R. §60.482-7(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.	128 - MACT Fugitives	Alky Unit. MOC was Reviewed and approved as LDAR applicable; Valves were not monitored within 30 days of startup.	LDAR	6/11/2015	N/A	Valves were monitored.

- The Trainer Refinery is part of a Consent Decree (United States, Commonwealth of Pennsylvania et al v. ConocoPhillips Company, Civil Action H-05-0258 lodged January 27, 2005, Southern District of Texas) that has various environmental requirements for the Trainer Refinery.
- In accordance with the Consent Decree requirements, Monroe Energy continually evaluates refinery flares and any flaring events with the goal of reducing flaring. Trainer Refinery has certified the Acid Gas Flare and the Old Yard Flare. The Sour Gas Flare and Main Flare became
- The Consent Decree signed by ConocoPhillips (the previous refinery owner), EPA, and the PADEP, civil action No. H-05-258, paragraph 248 requires the Trainer Refinery to perform "drill and tap" (or equivalent) repair methods on certain valves that are leaking at or above 10,000
- In addition to the deviations listed above, deviations associated with certified analyzers (continuous emission monitors) will be reported to PADEP as part of the quarterly reports submitted to PADEP following certification of the analyzers under Revision 8 of PADEP's Continuous
- The Title V permit lists a compliance schedule to address compliance issues associated with the NSPS subpart QQQ requirements. All activities under the plan were completed.
- In addition to the semi-annual deviation report, Trainer Refinery may have also submitted the following reports that may have identified additional deviations for the this reporting period. These reports are certified as being true, complete and accurate by the facility's RO or designate
  - Pennsylvania Quarterly Monitoring LDAR Reports
  - Refinery MACT and NSPS Semi-Annual Monitoring LDAR Reports
  - NSPS QQQ Semi-Annual Reports
  - Benzene NESHAPS Quarterly Monitoring and Annual TAB reports
  - Stack Test Reports for tests conducted pursuant to Title V Requirements
  - Tank Seal Gap Measurement Letters
  - Quarterly PADEP CEMS Reports
  - Quarterly NOx SIP Call Reports (EDRs)
  - Annual RATAs CEMS Reports
  - Incident Follow-up 10 day reports
  - Tank Inspection and Refill Notifications
  - Annual AIMS Emissions Report
  - Refinery MACT I Periodic Report
  - Refinery MACT II/NSPS J Periodic Report
  - Semi-Annual Air Compliance History Report
  - CEMS Phase I Applications & CEMS Certification Test Reports
  - Consent Decree Semiannual Progress Report

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION			
Facility Name:	Monroe Energy Trainer Refinery	**Owner/Operator:**	Monroe Energy LLC
Tax ID/Plant:	73-0400345-1	**DEP Facility ID:**	293037
Contact Person:	Matt Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

For the period 01/01/15 to 12/31/15, Monroe Energy/TRAINER REF has been in continuous compliance with all applicable requirements of permit # 23-00003, determined by the method(s) of compliance specified in said permit, except for the following deviations, exceedances, and excursions:

Citation	Permit Section	Type of Requirement	Permit Condition	Terms & Conditions Contained in the Permit	Source	Noncompliance	Monitoring Method(s)	Date	Duration	Corrective Action(s)

Certification of Truth, Accuracy, and Completeness

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009 (b) (2), I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this form are true, accurate, and complete.

Name:	Jeffrey K. Warmann	**Title:**	CEO and President
Signed:		**Date:**	3/28/2016

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(001)	[25 Pa. Code § 121.1]	Definitions	Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(002)	[25 Pa. Code § 127.512(c)(4)]	Property Rights	This permit does not convey property rights of any sort, or any exclusive privileges.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(003)	[25 Pa. Code § 127.446(a) and (c)]	Permit Expiration	This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(004)(a)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.	Permit Application Submittal. A permit application will be submitted prior to 6 months before permit expiration.	Continuous
GEN	(B)(GEN)(004)(b)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.	Permit Application Submittal. A permit application will contain the information noted.	Continuous
GEN	(B)(GEN)(004)(c)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).	Permit Application Submittal. A permit application will contain the information noted.	Continuous
GEN	(B)(GEN)(004)(d)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.	Permit Application Submittal. Responses to permit application inqueries will be promptly responded to.	Continuous
GEN	(B)(GEN)(005)(a)	[25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]	Transfer of Ownership or Operational Control	(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if: (1) The Department determines that no other change in the permit is necessary; (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and, (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.	Due diligence accompanying any sale.	Continuous
GEN	(B)(GEN)(005)(b)	[25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]	Transfer of Ownership or Operational Control	(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.	Due diligence accompanying any sale.	Continuous

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SECTION B. General Title V Requirements						
GEN	(B)(GEN)(006)(a)	[25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]	Inspection and Entry	(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following: (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit; (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit; (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit; (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.	The facility will not hinder, obstruct, prevent or interfere with the Department or its personnel with valid credentials in the performance of any duty authorized under the Air Pollution Control Act.	Continuous
GEN	(B)(GEN)(006)(b)	[25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]	Inspection and Entry	(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.	The facility will not hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.	Continuous
GEN	(B)(GEN)(006)(c)	[25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]	Inspection and Entry	(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(007)(a)	[25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]	Compliance Requirements	(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following: (1) Enforcement action (2) Permit termination, revocation and reissuance or modification (3) Denial of a permit renewal application	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(007)(b)	[25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]	Compliance Requirements	(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.	The facility is operated in accordance with this permit and in a manner consistent with good operating practices. Where deviations may have occurred, the deviations are noted herein.	Continuous
GEN	(B)(GEN)(007)(c)	[25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]	Compliance Requirements	(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(008)	[25 Pa. Code § 127.512(c)(2)]	Need to Halt or Reduce Activity Not a Defense	It shall not be a defense for a permittee in an enforcement action that it would have been permitted activity in order to maintain compliance with the conditions of this permit.necessary to halt or reduce the	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(009)(a)	[25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]	Duty to Provide Information	(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.	All valid requests by the Department for information are addressed within a reasonable time.	Continuous
GEN	(B)(GEN)(009)(b)	[25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]	Duty to Provide Information	(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.	All valid requests by the Department for information are addressed within a reasonable time.	Continuous

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				SECTION B. General Title V Requirements		
GEN	(B)(GEN)(010)(a)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(b)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances: (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended. (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit. (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(c)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(d)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.	All applicable standards and/or regulations promulgated under the Clean Air Act are complied with. Where deviations may have occurred, the deviations are noted herein.	Continuous
GEN	(B)(GEN)(011)	[25 Pa. Code § 127.543]	Reopening a Title V Permit for Cause by EPA	As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(012)	[25 Pa. Code § 127.541]	Significant Operating Permit Modifications	When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.	Facility policies, procedures, and operating practices are in place to ensure compliance. The facility submits all required permit modifications.	Continuous
GEN	(B)(GEN)(013)(a)	[25 Pa. Code §§ 121.1 & 127.462]	Minor Operating Permit Modifications	(a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(013)(b)	[25 Pa. Code §§ 121.1 & 127.462]	Minor Operating Permit Modifications	(b) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to an operational flexibility change authorized by 25 Pa. Code § 127.462.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(014)(a)	[25 Pa. Code § 127.450]	Administrative Operating Permit Amendments	(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

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SECTION B. General Title V Requirements						
GEN	(B)(GEN)(014)(b)	[25 Pa. Code § 127.450]	Administrative Operating Permit Amendments	(b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(015)	[25 Pa. Code § 127.512(b)]	Severability Clause	The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(016)(a)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(016)(b)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(016)(c)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(016)(d)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(016)(e)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(016)(f)	[25 Pa. Code §§ 127.704, 127.705 & 127.707]	Fee Payment	(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).	Facility policies, procedures, and operating practices are in place to ensure compliance. All fees are paid in a timely manner consistent.	Continuous
GEN	(B)(GEN)(017)(a)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall: (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase. (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement. The Department may disapprove or condition de minimis emission increases at any time.	Written notices were submitted seven days prior to any de minimis emission increase from a new or existing source.	Continuous

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SECTION B. General Title V Requirements						
GEN	(B)(GEN)(017)(b)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification: (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit. (2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit. (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit. (4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III. (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(c)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval: (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources. (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input. (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added. (4) Space heaters which heat by direct heat transfer. (5) Laboratory equipment used exclusively for chemical or physical analysis. (6) Other sources and classes of sources determined to be of minor significance by the Department.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(d)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following: (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition. (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E. (3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts. (4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(e)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(f)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

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GEN	(B)(GEN)(017)(g)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(017)(h)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
GEN	(B)(GEN)(018)(a)	[25 Pa. Code §§ 127.11a & 127.215]	Reactivation of Sources	(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(018)(b)	[25 Pa. Code §§ 127.11a & 127.215]	Reactivation of Sources	(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).	Facility policies, procedures, and operating practices are in place to ensure compliance. The facility interprets this condition to not apply to Source ID 122 (Back-up Flare) since this source is permitted to only operate during refinery shutdowns which occur only every 4 - 5 years. Therefore, it is deemed Source ID 122 is only subject to the specific permit terms identified in Section D).	Continuous
GEN	(B)(GEN)(019)(a)	[25 Pa. Code §§ 121.9 & 127.216]	Circumvention	(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(019)(b)	[25 Pa. Code §§ 121.9 & 127.216]	Circumvention	(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(020)(a)	[25 Pa. Code §§ 127.402(d) & 127.513(1)]	Submissions	(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the: Regional Air Program Manager PA Department of Environmental Protection (At the address given on the permit transmittal letter, or otherwise notified)	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(020)(b)	[25 Pa. Code §§ 127.402(d) & 127.513(1)]	Submissions	(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to: Office of Air Enforcement and Compliance Assistance (3AP20) United States Environmental Protection Agency Region 3 1650 Arch Street Philadelphia, PA 19103-2029	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	2015 Compliance: Continuous or Intermittent
				SECTION B. General Title V Requirements		
GEN	(B)(GEN)(020)(c)	[25 Pa. Code §§ 127.402(d) & 127.513(1)]	Submissions	(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(021)(a)	[25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]	Sampling, Testing and Monitoring Procedures	(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(021)(b)	[25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]	Sampling, Testing and Monitoring Procedures	(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(a)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following: (1) The date, place (as defined in the permit) and time of sampling or measurements. (2) The dates the analyses were performed. (3) The company or entity that performed the analyses. (4) The analytical techniques or methods used. (5) The results of the analyses. (6) The operating conditions as existing at the time of sampling or measurement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(b)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(c)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(023)(a)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(023)(b)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.	Facility policies, procedures, and work 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	2015 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(023)(c)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #020(c) of this permit.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(023)(d)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(024)(a)	[25 Pa. Code § 127.513]	Compliance Certification	(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include: (1) The identification of each term or condition of the permit that is the basis of the certification. (2) The compliance status. (3) The methods used for determining the compliance status of the source, currently and over the reporting period. (4) Whether compliance was continuous or intermittent.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(024)(b)	[25 Pa. Code § 127.513]	Compliance Certification	(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(025)(a)	[25 Pa. Code § 127.3]	Operational Flexibility	(a) The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act: (1) Section 127.14 (relating to exemptions) (2) Section 127.447 (relating to alternative operating scenarios) (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps) (4) Section 127.449 (relating to de minimis emission increases) (5) Section 127.450 (relating to administrative operating permit amendments) (6) Section 127.462 (relating to minor operating permit amendments) (7) Subchapter H (relating to general plan approvals and operating permits)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(025)(b)	[25 Pa. Code § 127.3]	Operational Flexibility	(b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(026)(a)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).	Risk Management Program consistent with requirements of 40 CFR Part 68 is in place at the facility.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
				SECTION B. General Title V Requirements		
GEN	(B)(GEN)(026)(b)(1)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements: (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following: (i) Three years after the date on which a regulated substance is first listed under § 68.130; or, (ii) The date on which a regulated substance is first present above a threshold quantity in a process.	Facility policies, procedures, and work practices are in place to ensure compliance. Initial RMP sent to EPA 6/21/99. It has been corrected twice (1/2007 and 9/2007) to account for modifications to operating units associated with the clean fuels project and due to an RMP incident, respectively. The RMP Update was certified and submitted on 6/16/09 to comply with the 5 year update requirement.	Continuous
GEN	(B)(GEN)(026)(b)(2)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.	Facility policies, procedures, and work practices are in place to ensure compliance. Initial RMP sent to EPA 6/21/99. It has been corrected twice (1/2007 and 9/2007) to account for modifications to operating units associated with the clean fuels project and due to an RMP incident, respectively. The RMP Update was certified and submitted on 6/16/09 to comply with the 5 year update requirement.	Continuous
GEN	(B)(GEN)(026)(b)(3)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA 6/21/99 via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(c)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA 6/21/99 via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(d)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall: (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or, (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(e)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.	Facility policies, procedures, and work 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	2015 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(026)(f)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if: (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68. (2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #24 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(027)	[25 Pa. Code § 127.512(e)]	Approved Economic Incentives and Emission Trading Programs	No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(028)(a)	[25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]	Permit Shield	(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies: (1) The applicable requirements are included and are specifically identified in this permit. (2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(028)(b)	[25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]	Permit Shield	(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following: (1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder. (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance. (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act. (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(028)(c)	[25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]	Permit Shield	(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(028)(d)	[25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]	Permit Shield	(d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.	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	2015 Compliance: Continuous or Intermittent
				Section D. 103 - Main Flare		
				(A) Description of the water seal, including the operating range for the liquid level. (B) Designation of the monitoring option elected (flow and sulfur monitoring or pressure and water seal liquid level monitoring). (vii) For the flare gas recovery system: (A) A description of the flare gas recovery system, including number of compressors and capacity of each compressor. (B) A description of the monitoring parameters used to quantify the amount of flare gas recovered. (C) For systems with staged compressors, the maximum time period required to begin gas recovery with the secondary compressor(s), the monitoring parameters and procedures used to minimize the duration of releases during compressor staging and a justification for why the maximum time period cannot be further reduced. (4) An evaluation of the baseline flow to the flare. The baseline flow to the flare must be determined after implementing the minimization assessment in 40 C.F.R. §60.103a(a)(2). Baseline flows do not include pilot gas flow or purge gas flow (i.e., gas introduced after the flare's water seal) provided these gas flows remain reasonably constant (i.e., separate flow monitors for these streams are not required). Separate baseline flow rates may be established for different operating conditions provided that the management plan includes: (i) A primary baseline flow rate that will be used as the default baseline for all conditions except those specifically delineated in the plan; (ii) A description of each special condition for which an alternate baseline is established, including the rationale for each alternate baseline, the daily flow for each alternate baseline and the expected duration of the special conditions for each alternate baseline; and (iii) Procedures to minimize discharges to the affected flare during each special condition described in 40 C.F.R. §60.103a(a)(4)(ii), unless procedures are already developed for these cases under 40 C.F.R. §60.103a(a)(5) through (7), as applicable. (5) Procedures to minimize or eliminate discharges to the flare during the planned startup and shutdown of the refinery process units and ancillary equipment that are connected to the affected flare, together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan. (6) Procedures to reduce flaring in cases of fuel gas imbalance (i.e., excess fuel gas for the refinery's energy needs), together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan (7) For flare gas recovery systems, procedures to minimize the frequency and duration of outages of the flare gas recovery system and procedures to minimize the volume of gas flared during such outages, together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan.		

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 103 - Main Flare						
103 - Main Flare	(D)(103)(016)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(b) The permittee must submit the plan to DEP as described in 40 C.F.R. §60.103a(b)(1) through (3). (1) The permittee must develop and implement the flare management plan by no later than November 11, 2015. (2) The permittee must comply with the plan as submitted by November 11, 2015. The plan should be updated periodically to account for changes in the operation of the flare, such as new connections to the flare or the installation of a flare gas recovery system, but the plan need be re-submitted to DEP only if the owner or operator adds an alternative baseline flow rate, revises an existing baseline as described in 40 C.F.R. §60.103a(a)(4), installs a flare gas recovery system or is required to change flare designations and monitoring methods as described in 40 C.F.R. §60.107a(g). The permittee must comply with the updated plan as submitted. (3) All versions of the plan submitted to DEP shall also be submitted to the following address: U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Sector Policies and Programs Division, U.S. EPA Mailroom (E143-01), Attention: Refinery Sector Lead, 109 T.W. Alexander Drive, Research Triangle Park, NC 27711. Electronic copies in lieu of hard copies may also be submitted to refinerynsps@epa.gov.	Monroe has developed and submitted a written flare management plan as directed.	Continuous
103 - Main Flare	(D)(103)(016)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(c) Except as provided in 40 C.F.R. §60.103a(f), the permittee shall conduct a root cause analysis and a corrective action analysis for any discharge to the flare in excess of 14,160 standard cubic meters (m3) (500,000 standard cubic feet (scf)) above the baseline, determined in 40 C.F.R. §60.103a(a)(4), in any 24-hour period.	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous
103 - Main Flare	(D)(103)(016)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(d) Except as provided in 40 C.F.R. §60.103a(f), a root cause analysis and corrective action analysis must be completed as soon as possible, but no later than 45 days after a discharge meeting one of the conditions specified in 40 C.F.R. §60.103a(c)(1). Special circumstances affecting the number of root cause analyses and/or corrective action analyses are provided in 40 C.F.R. §60.103a(d)(1) through (5). (1) If a single continuous discharge meets any of the conditions specified in 40 C.F.R. §60.103a(c)(1) through (3) for 2 or more consecutive 24-hour periods, a single root cause analysis and corrective action analysis may be conducted. (2) If a single discharge from the flare triggers a root cause analysis based on the conditions specified in 40 C.F.R. §60.103a(c), a single root cause analysis and corrective action analysis may be conducted. (3) If the discharge from the flare is the result of a planned startup or shutdown of a refinery process unit or ancillary equipment connected to the flare and the procedures in 40 C.F.R. §60.103a(a)(5) were followed, a root cause analysis and corrective action analysis is not required; however, the discharge must be recorded as described in 40 C.F.R. §60.108a(c)(6) and reported as described in 40 C.F.R. §60.108a(d)(5). (5) If discharges occur that meet any of the conditions specified in 40 C.F.R. §60.103a(c)(1) for more than one affected facility in the same 24-hour period, initial root cause analyses shall be conducted for each affected facility. If the initial root cause analyses indicate that the discharges have the same root cause(s), the initial root cause analyses can be recorded as a single root cause analysis and a single corrective action analysis may be conducted.	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
				Section D. 103 - Main Flare		
103 - Main Flare	(D)(103)(016)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(e) Except as provided in paragraph (f) of this section, the permittee shall implement the corrective action(s) identified in the corrective action analysis conducted pursuant to paragraph (d) of this section in accordance with the applicable requirements in 40 C.F.R. §60.103a(e)(1) through (3). (1) All corrective action(s) must be implemented within 45 days of the discharge for which the root cause and corrective action analyses were required or as soon thereafter as practicable. If an owner or operator concludes that corrective action should not be conducted, the owner or operator shall record and explain the basis for that conclusion no later than 45 days following the discharge as specified in 40 C.F.R. §60.108a(c)(6)(ix). (2) For corrective actions that cannot be fully implemented within 45 days following the discharge for which the root cause and corrective action analyses were required, the owner or operator shall develop an implementation schedule to complete the corrective action(s) as soon as practicable. (3) No later than 45 days following the discharge for which a root cause and corrective action analyses were required, the permittee shall record the corrective action(s) completed to date, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates as specified in 40 C.F.R. §60.108a(c)(6)(x).	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous
103 - Main Flare	(D)(103)(016)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(f) Modified flares shall comply with the requirements of 40 C.F.R. §60.103a(c) through (e) by November 11, 2015. This modified flare, accepted applicability of subpart J under a federal consent decree, shall comply with the subpart J requirements as specified in the consent decree, but shall comply with the requirements of 40 C.F.R. §60.103a(h) and the requirements of 40 C.F.R. §60.107a(a)(2) by no later than November 11, 2015.	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous
103 - Main Flare	(D)(103)(017)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	Work Practice Requirements	The flare pilot light must be present at all times and the flare must be operating at all times that emissions may be vented to it.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(018)	[25 Pa. Code §127.441]	Additional Requirements	The following sources shall be controlled by the Main Flare (Source ID 103) and backed up by the Back-Up Flare (Source ID 122): Source ID Source Name 114 - RACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 115 - NSPS Fugitive Equipment (exept fugitive emissions not required to be captured for control) 118 - Railcar Loading LPG & Butane 128 - MACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 210 - Miscellaneous Process Vents 215 - NSPS New Fugitive Equipment (exept fugitive emissions not required to be captured for control) 501 - Spheroid 501 502 - Spheroid 502 513 - Spheroid 513 T006 - MACT Group 1 Tanks routed to Closed Vent System	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	2015 Compliance: Continuous or Intermittent
Section D. 104 - Marine Vessel Ballasting						
104 - Marine Vessel Ballasting	(D)(104)(001)(a)	[25 Pa. Code §129.81]	Emission Restriction	(a) Other provisions of this section notwithstanding, DEP may allow the permittee to implement permanent and enforceable measures, including recordkeeping and reporting requirements, which are approved by the EPA to reduce the emission of VOCs from ballasting of an organic liquid cargo vessel containing crude oil or gasoline as follows: 98% of the total volume of receipts of crude oil and gasoline during each calendar year shall be delivered to the facility in vessels which do not ballast, such as barges, or in vessels which do not emit VOCs when ballasted, such as tankers using segregated ballast tanks.	Facility work practices and procedures; review of shipment logs	Continuous
104 - Marine Vessel Ballasting	(D)(104)(001)(b)	[25 Pa. Code §129.81]	Emission Restriction	(b) Compliance with (a), above, may also be achieved by meeting the requirements for equivalency in 25 Pa. Code § 129.51(a) (relating to general).	Facility work practices and procedures; review of shipment logs	Continuous
104 - Marine Vessel Ballasting	(D)(104)	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
104 - Marine Vessel Ballasting	(D)(104)	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
104 - Marine Vessel Ballasting	(D)(104)(002)	[25 Pa. Code §127.511]	Recordkeeping Requirements	The permittee shall record the following information for each receipt of crude or gasoline at the facility: (a) Date of each shipment. (b) Cargo type and amount. (c) Whether or not the vessel has segregated ballast tanks or clean ballast tanks. (d) For each calendar year, calculate the percent of the total volume of receipts of crude oil and gasoline delivered to the facility in vessels which do not ballast or do not emit VOCs when ballasted.	Facility work practices and procedures; review of shipment logs.	Continuous
104 - Marine Vessel Ballasting	(D)(104)	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
104 - Marine Vessel Ballasting	(D)(104)	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
104 - Marine Vessel Ballasting	(D)(104)	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	2015 Compliance: Continuous or Intermittent
Section D. 105 - Marine Vessel Loading						
105 - Marine Vessel Loading	(D)(105)(001)	[25 Pa. Code §127.441]	Emission Restriction	The permittee shall comply with all applicable requirements specified in 40 C.F.R. Part 63 Subpart Y - National Emissions Standards for Marine Tank Vessel Loading Operations, if the following emission limits are exceeded: (a) An individual HAP emissions from this source shall not be equal to or greater than 10 tons per year annually, and/or (b) The combined HAP emissions from this source shall not be equal to or greater than 25 tons per year annually.	The facility is not subject to 40 CFR 63, Subpart Y.	Continuous
105 - Marine Vessel Loading	(D)(105)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.560]	Throughput Restriction	The marine vessel loading shall be limited to less than 10 million barrels gasoline, or 200 million barrels crude oil per year on a 24-month annual average basis. In the event that the loading throughput increases above the 10-million or 200 million threshold, the permittee shall comply with the applicable requirements of 40 C.F.R. 63 Subpart Y no later than 3 years after exceeding the thresholds.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(a)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	The following shall exist while loading of all petroleum distillates, which is a liquid with RVP greater than or equal to 4psi at standard temperature and pressure, into an organic liquid cargo vessel: (a) The VOC vapors displaced by the loading operation are processed through a vapor recovery device operated to reduce the VOCs by at least 90% by weight.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(1)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(b) The vapor collection and transport system employed to carry VOCs to the vapor control system is maintained and operated so that it prevents the following: (1) A reading equal to or greater than 100% of the lower explosive limit (LEL), measured as propane, at 1 inch (2.5 centimeters) from all points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code Section 139.14 (relating to emissions of VOCs) during loading operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(2)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(2) Avoidable liquid leaks during loading operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(3)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(3) Visually or audibly detectable leaks in the organic liquid cargo vessel's cargo tanks, hatch covers, storage tanks pressure/vacuum relief valves and associated vapor and liquid lines during loading.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(c)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(c) The pressure and vacuum relief valves on the liquid cargo vessel are set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)	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
105 - Marine Vessel Loading	(D)(105)	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
105 - Marine Vessel Loading	(D)(105)	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
105 - Marine Vessel Loading	(D)(105)(004)	[25 Pa. Code §127.441]	Reporting Requirements	The permittee shall notify the Department, within 10 days, the throughput and/or emission limit exceedance specified in Emission Restrictions of this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(005)	[25 Pa. Code §127.441]	Work Practice Requirements	The captured VOC vapors shall be routed to the refinery fuel gas system.	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	2015 Compliance: Continuous or Intermittent
Section D. 105 - Marine Vessel Loading						
105 - Marine Vessel Loading	(D)(105)	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	2015 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(001)	[25 Pa. Code §127.441]	Control Device Efficiencies Restriction	The carbon canisters shall be replaced with fresh carbon when the carbon canister exhaust VOC concentrations monitored reach 500ppm above background levels.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(002)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.696]	Testing Requirements	Whenever sources subject to 40 C.F.R. 60 Subpart QQQ that have ceased to treat refinery wastewater for a period of 1 year or more are placed back into service, the owner or operator shall determine compliance with the standards in 60.693-2(a) as follows: (1) The maximum gap widths and maximum gap areas between the primary seal and the separator wall and between the secondary seal and the separator wall shall be determined individually within 60 calendar days of the initial installation of the floating roof and introduction of refinery wastewater or 60 calendar days after the equipment is placed back into service using the following procedure when the separator is filled to the design operating level and when the roof is floating off the roof supports. (i) Measure seal gaps around the entire perimeter of the separator in each place where a 0.32 cm (0.125 in.) diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the separator and measure the gap width and perimetrical distance of each such location. (ii) The total surface area of each gap described in (d)(1)(i) of this section shall be determined by using probes of various widths to measure accurately the actual distance from the wall to the seal and multiplying each such width by its respective perimetrical distance. (iii) Add the gap surface area of each gap location for the primary seal and the secondary seal individually, divide the sum for each seal by the nominal perimeter of the separator basin and compare each to the maximum gap area as specified in 60.693-2.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
106 - Process Drains & H2O Sep.	(D)(106)(002)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.696]	Testing Requirements	(2) The gap widths and total gap area shall be determined using the procedure in paragraph (d)(1) of this section according to the following frequency: (i) For primary seals, once every 5 years. (ii) For secondary seals, once every year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
106 - Process Drains & H2O Sep.	(D)(106)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.695]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The concentration level of the organic compounds in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately (within 24 hours) when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(004)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall maintain records of the carbon canister exhaust VOC concentrations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(a) All records shall be retained for a period of five (5) years after being recorded unless otherwise noted.	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	2015 Compliance: Continuous or Intermittent
				Section D. 106 - Process Drains & H2O Sep.		
106 - Process Drains & H2O Sep.	(D)(106)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(b) Individual Drain Systems (1) For individual drain systems subject to 40 C.F.R. § 60.692-2, the location, date, and corrective action shall be recorded for each drain when the water seal is dry or otherwise breached, when a drain cap or plug is missing or improperly installed, or other problem is identified that could result in VOC emissions, as determined during the initial and periodic visual or physical inspection. (2) For junction boxes subject to 40 C.F.R. § 60.692-2, the location, date, and corrective action shall be recorded for inspections required by 40 C.F.R. § 60.692-2(b) when a broken seal, gap, or other problem is identified that could result in VOC emissions. (3) For sewer lines subject to 40 C.F.R. § 60.692-2 and 40 C.F.R. § 60.693-1(e), the location, date, and corrective action shall be recorded for inspections required by 40 C.F.R. §§ 60.692-2(c) and 60.693-1(e) when a problem is identified that could result in VOC emissions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(c) For oil-water separators subject to 40 C.F.R. § 60.692-3, the location, date, and corrective action shall be recorded for inspections required by 40 C.F.R. § 60.692-3(a) when a problem is identified that could result in VOC emissions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Recordkeeping Requirements	(d) For closed vent systems subject to 40 C.F.R. § 60.692-5 and completely closed drain systems subject to 40 C.F.R. § 60.693-1, the location, date, and corrective action shall be recorded for inspections required by 40 C.F.R. § 60.692-5(e) during which detectable emissions are measured or a problem is identified that could result in VOC emissions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(e) Repairs. (1) If an emission point cannot be repaired or corrected without a process unit shutdown, the expected date of a successful repair shall be recorded. (2) The reason for the delay as specified in 40 C.F.R. § 60.692-6 shall be recorded if an emission point or equipment problem is not repaired or corrected in the specified amount of time. (3) The signature of the permittee (or designee) whose decision it was that repair could not be effected without refinery or process shutdown shall be recorded. (4) The date of successful repair or corrective action shall be recorded.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(f) Life Records. (1) A copy of the design specifications for all equipment used to comply with 40 C.F.R. 60, Subpart QQQ, shall be kept for the life of the source in a readily accessible location. (2) The following information pertaining to the design specifications shall be kept. (i) Detailed schematics, and piping and instrumentation diagrams. (ii) The dates and descriptions of any changes in the design specifications. (3) The following information pertaining to the operation and maintenance of closed drain systems and closed vent systems shall be kept in a readily accessible location. (i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions shall be kept for the life of the facility. This documentation is to include a general description of the gas streams that enter the control device, including flow and VOC content under varying liquid level conditions (dynamic and static) and manufacturer's design specifications for the control device. (ii) The design analysis for the non-regenerative carbon adsorption system shall have considered the vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and 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	2015 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
				operating schedule. This design analysis documentation shall be maintained for the life of the control device. (iii) Periods when the closed vent systems and control devices required in 40 C.F.R. § 60.692 are not operated as designed, including periods when a flare pilot does not have a flame shall be recorded and kept for 5 years after the information is recorded. (iv) Dates of startup and shutdown of the closed vent system and control devices required in 40 C.F.R. § 60.692 shall be recorded and kept for 5 years after the information is recorded. (v) The dates of each measurement of detectable emissions required in 40 C.F.R. §§ 60.692, 60.693, or 60.692-5 shall be recorded and kept for five (5) years after the information is recorded. (vi) The background level measured during each detectable emissions measurement shall be recorded and kept for five (5) years after the information is recorded. (vii) The maximum instrument reading measured during each detectable emission measurement shall be recorded and kept for five (5) years after the information is recorded. (viii) The permittee using a carbon adsorber shall maintain continuous records of the VOC concentration level or reading of organics of the control device outlet gas stream or inlet and outlet gas stream and records of all 3-hour periods of operation during which the average VOC concentration level or reading of organics in the exhaust gases, or inlet and outlet gas stream, is more than 20 percent greater than the design exhaust gas concentration level, and shall keep such records for five (5) years after the information is recorded. The records shall be maintained consistent with the monitoring requirement in Condition #002 for Source ID 106 in this Section. (ix) The permittee shall maintain records of the dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time that the existing carbon in the control device is replaced with fresh carbon.		
106 - Process Drains & H2O Sep.	(D)(106)(005)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(g) If the permittee elects to install a tightly sealed cap or plug over a drain that is out of active service, the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which indicate the location of such drains.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(h) For storm water sewer systems subject to the exclusion in 40 C.F.R. § 60.692-1(d)(1), a permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that no wastewater from any process units or equipment is directly discharged to the storm water sewer system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(i) For ancillary equipment subject to the exclusion in 40 C.F.R. § 60.692-1(d)(2), the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which demonstrate that the ancillary equipment does not come in contact with or store oily wastewater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(j) For non-contact cooling water systems subject to the exclusion in 40 C.F.R. § 60.692-1(d)(3), the permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that the cooling water does not contact hydrocarbons or oily wastewater and is not recirculated through a cooling tower.	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	2015 Compliance: Continuous or Intermittent
				Section D. 106 - Process Drains & H2O Sep.		
106 - Process Drains & H2O Sep.	(D)(106)(005)(k)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(k) For oil-water separators subject to 40 C.F.R. § 60.693-2, the location, date, and corrective action shall be recorded for inspections required by 40 C.F.R. §§ 60.693-2(a)(1)(iii)(A) and (B), and shall be maintained for the time period specified below: (1) For inspections required by 40 C.F.R. § 60.693-2(a)(1)(iii)(A), ten years after the information is recorded. (2) For inspections required by 40 C.F.R. § 60.693-2(a)(1)(iii)(B), two years after the information is recorded.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(006)	[25 Pa. Code §127.441]	Reporting Requirements	The permittee shall, in accordance with 40 C.F.R. § 60.4, submit copies of all reports, requests, applications, submittals, and other communication to both EPA and the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.698]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) The permittee may elect to comply with the provisions of 40 C.F.R. § 60.693 and shall notify the Administrator of the alternative standard selected in the report required in 40 C.F.R. § 60.7.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.698]	Reporting Requirements	(b) The permittee shall submit to the Administrator semiannually a certification that all of the required inspections have been carried out in accordance with these standards.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(007)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.698]	Reporting Requirements	(c) A report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken, shall be submitted semiannually to the Administrator.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(007)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.698]	Reporting Requirements	(d) As applicable, a report shall be submitted semiannually to the Administrator that indicates each 3-hour period of operation during which the average VOC concentration level or reading of organics in the exhaust gases from a carbon adsorber is more than 20 percent greater than the design exhaust gas concentration level or reading. Each occurrence when the carbon in a carbon adsorber system that is not regenerated directly onsite in the control device is not replaced at the predetermined interval specified in § 60.695(a)(3)(ii).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(007)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.698]	Reporting Requirements	(e) If compliance with the provisions of 40 C.F.R. 60, Subpart QQQ, is delayed pursuant to 40 C.F.R. § 60.692-7, the notification required under 40 C.F.R. § 60.7(a)(4) shall include the estimated date of the next scheduled refinery or process unit shutdown after the date of notification and the reason why compliance with the standards is technically impossible without a refinery or process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(008)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The individual drain systems shall be installed, checked or inspected, and operated in accordance with 40 C.F.R. §§ 60.692-2 or 60.693-1.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(008)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) Each oil-water separator tank shall be equipped and operated with the required control devices in compliance with 40 C.F.R. §§60.692-3 or 60.693-2.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(008)(c)	[25 Pa. Code §127.441]	Work Practice Requirements	(c) The permittee shall adhere to the manufacturer's recommended practices to ensure the process vapors transferred to the activated carbon canisters meet the minimum control efficiency.	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	2015 Compliance: Continuous or Intermittent
				Section D. 106 - Process Drains & H2O Sep.		
106 - Process Drains & H2O Sep.	(D)(106)(009)(a)	[25 Pa. Code §129.55]	Work Practice Requirements	This condition applies only to the wastewater separator located in the Advanced Wastewater 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(009)(b)	[25 Pa. Code §129.55]	Work Practice Requirements	(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.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) This source shall be equipped and operated with a fixed roof, which meets the following specifications, except as provided in 40 C.F.R. § 60.692-2(d) or in 40 C.F.R. § 60.693-2. (1) The fixed roof shall be installed to completely cover the separator tank, slop oil tank, storage vessel, or other auxiliary equipment with no separation between the roof and the wall.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(2) The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(3) If the roof has access doors or openings, such doors or openings shall be gasketed, latched, and kept closed at all times during operation of the separator system, except during inspection and maintenance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(4) Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps occur between the roof and wall 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
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(5) When a broken seal or 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 it is identified, except as provided in 40 C.F.R. § 60.692-6.	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	2015 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(b) Each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) of refinery wastewater shall, in addition to the requirements in paragraph (a) of this section, be equipped and operated with a closed vent system and control device, which meet the requirements of 40 C.F.R. § 60.692-5, except as provided in 40 C.F.R. § 60.692-2(c) or in 40 C.F.R. § 60.693-2.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(c) Slop oil from an oil-water separator tank and oily wastewater from slop oil handling equipment shall be collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Once slop oil is returned to the process unit or is disposed of, it is no longer within the scope of this subpart. Equipment used in handling slop oil shall be equipped with a fixed roof meeting the requirements of paragraph (a) of this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(d) Each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment that is required to comply with 40 C.F.R. § 60.692-2(a), and not 40 C.F.R. § 60.692-2(b), may be equipped with a pressure control valve as necessary for proper system operation. The pressure control valve shall be set at the maximum pressure necessary for proper system operation, but such that the valve will not vent continuously.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(011)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-5]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code §127.441] (a) Enclosed combustion devices shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816°C (1,500°F).	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
106 - Process Drains & H2O Sep.	(D)(106)(011)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-5]	Work Practice Requirements	(b) Vapor recovery systems (for example, condensers and adsorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(011)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-5]	Work Practice Requirements	(c) Flares used to comply with this subpart shall comply with the requirements of 40 C.F.R. §60.18.	Facility policies, procedures, and operating practices are in place to ensure compliance.	N/A
106 - Process Drains & H2O Sep.	(D)(106)(011)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-5]	Work Practice Requirements	(d) Closed vent systems and control devices used to comply with provisions of this subpart 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
106 - Process Drains & H2O Sep.	(D)(106)(011)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-5]	Work Practice Requirements	(e) (1) Closed vent systems shall be designed and operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections by the methods specified in §60.696. (2) Closed vent systems shall be purged to direct vapor to the control device. (3) A flow indicator shall be installed on a vent stream to a control device to ensure that the vapors are being routed to the device. (4) All gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. (5) When emissions from a closed system are detected, first efforts at repair to eliminate the emissions shall be made as soon as practicable, but not later than 30 calendar days from the date the emissions are detected, except as provided in §60.692-6.	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	2015 Compliance: Continuous or Intermittent
				Section D. 106 - Process Drains & H2O Sep.		
106 - Process Drains & H2O Sep.	(D)(106)(012)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-6]	Work Practice Requirements	(a) Delay of repair of facilities that are subject to the provisions of 40 C.F.R. 60 Subpart QQQ will be allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(012)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-6]	Work Practice Requirements	(b) Repair of such equipment shall occur before the end of the next refinery or process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(013)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.693-2]	Work Practice Requirements	(a) Floating roof (1) Each floating roof shall be equipped with a closure device between the wall of the separator and the roof edge. The closure device is to consist of a primary seal and a secondary seal. (i) The primary seal shall be a liquid-mounted seal. (A) A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the separator and the floating roof. (B) The gap width between the primary seal and the separator wall shall not exceed 3.8 cm (1.5 in.) at any point. (C) The total gap area between the primary seal and the separator wall shall not exceed 67 cm2/m (3.2 in.2/ft) of separator wall perimeter. (ii) The secondary seal shall be above the primary seal and cover the annular space between the floating roof and the wall of the separator. (A) The gap width between the secondary seal and the separator wall shall not exceed 1.3 cm (0.5 in.) at any point. (B) The total gap area between the secondary seal and the separator wall shall not exceed 6.7 cm2/m (0.32 in.2/ft) of separator wall perimeter. (iii) The maximum gap width and total gap area shall be determined by the methods and procedures specified in 60.696(d). (A) Measurement of primary seal gaps shall be performed within 60 calendar days after initial installation of the floating roof and introduction of refinery wastewater and once every 5 years thereafter. (B) Measurement of secondary seal gaps shall be performed within 60 calendar days of initial introduction of refinery wastewater and once every year thereafter. (iv) The owner or operator shall make necessary repairs within 30 calendar days of identification of seals not meeting the requirements listed in paragraphs (a)(1) (i) and (ii) of this section. (2) Except as provided in paragraph (a)(4) of this section, each opening in the roof shall be equipped with a gasketed cover, seal, or lid, which shall be maintained in a closed position at all times, except during inspection and maintenance. (3) The roof shall be floating on the liquid (i.e., off the roof supports) at all times except during abnormal conditions (i.e., low flow rate). (4) The floating roof may be equipped with one or more emergency roof drains for removal of stormwater. Each emergency roof drain shall be fitted with a slotted membrane fabric cover that covers at least 90 percent of the drain opening area or a flexible fabric sleeve seal. (5) (i) Access doors and other openings shall be visually inspected initially and semiannually thereafter to ensure that there is a tight fit around the edges and to identify other problems that could result in VOC emissions. (ii) When a broken seal or gasket on an access door or other opening is identified, it shall be repaired as soon as practicable, but not later than 30 calendar days after it is identified, except as provided in 60.692-6.	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	2015 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(013)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.693-2]	Work Practice Requirements	(b) The permittee must notify the Administrator in the report required by 40 C.F.R. 60.7 that the owner or operator has elected to construct and operate a floating roof under paragraph (a) of this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(013)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.693-2]	Work Practice Requirements	(c) For portions of the oil-water separator tank where it is infeasible to construct and operate a floating roof, such as the skimmer mechanism and weirs, a fixed roof meeting the requirements of 60.692-3(a) shall be installed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(013)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.693-2]	Work Practice Requirements	(d) Except as provided in paragraph (c) of this section, if an owner or operator elects to comply with the provisions of this section, then the owner or operator does not need to comply with the provisions of 60.692-3 or 60.694 applicable to the same facilities.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
106 - Process Drains & H2O Sep.	(D)(106)(014)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.696]	Work Practice Requirements	The closed vent system and control device is exempt from 40 C.F.R. § 60.8 and shall use EPA Method 21 to measure the emission concentrations, using 500 ppm as the no detectable emission limit. The instrument shall be calibrated each day before using. The calibration gases shall be: (a) Zero air (less than 10 ppm of hydrocarbon in air), and (b) A mixture of either methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(015)	[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 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
106 - Process Drains & H2O Sep.	(D)(106)(016)(a)	[25 Pa. Code §127.441]	Additional Requirements	(a) Additional requirements under 40 C.F.R. 63, Subpart CC, for this wastewater treatment system can be found in Source ID 128, of this operating permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
106 - Process Drains & H2O Sep.	(D)(106)(016)(b)	[25 Pa. Code §127.441]	Additional Requirements	(b) Additional requirements under 40 C.F.R. 61, Subpart FF, for this wastewater treatment system can be found in Source ID 133, of this operating permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
106 - Process Drains & H2O Sep.	(D)(106)(016)(c)	[25 Pa. Code §127.441]	Additional Requirements	(c) The regulated components of the Wastewater Treatment Plant are listed below: (i) The forebay (ii) The oil-water separator (API) (iii) The back end (iv) Four (4) oil tanks (Tank Nos. 83, 84, 312 ,and 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	2015 Compliance: Continuous or Intermittent
Section D. 111 - Cooling Towers						
111 - Cooling Towers	(D)(111)	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
111 - Cooling Towers	(D)(111)	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
111 - Cooling Towers	(D)(111)	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
111 - Cooling Towers	(D)(111)	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
111 - Cooling Towers	(D)(111)	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
111 - Cooling Towers	(D)(111)(001)	[25 Pa. Code §127.512]	Work Practice Requirements	The permittee shall not use chromium based water treatment chemicals in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
111 - Cooling Towers	(D)(111)(002)	[25 Pa. Code §127.441]	Additional Requirements	Additional requirements for the cooling towers are specified in the conditions for Source ID 700 - Heat Exchange Systems.	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	2015 Compliance: Continuous or Intermittent
Section D. 112 - Purging & Sampling, etc.						
112 - Purging & Sampling, etc.	(D)(112)	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
112 - Purging & Sampling, etc.	(D)(112)	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
112 - Purging & Sampling, etc.	(D)(112)	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
112 - Purging & Sampling, etc.	(D)(112)	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
112 - Purging & Sampling, etc.	(D)(112)	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
112 - Purging & Sampling, etc.	(D)(112)(001)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441 and 40 C.F.R. § 60.480.] Each sampling connection system subject to sampling standards pursuant to 40 C.F.R. 60, Subpart VV, or 40 C.F.R. § 63.648(a)(1) shall be equipped with a closed-purged, closed-loop, or closed-vent system, and will comply with the specifications of 40 C.F.R. § 60.482-5(b)(1)-(3).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
112 - Purging & Sampling, etc.	(D)(112)	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	2015 Compliance: Continuous or Intermittent
Section D. 113 - LPG Recovery Unit						
113 - LPG Recovery Unit	(D)(113)(001)	[25 Pa. Code §127.441]	Emission Restriction	VOC emissions from this source shall not exceed 4.6 tons in any consecutive 12 month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)	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
113 - LPG Recovery Unit	(D)(113)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor VOC emissions from this source according to the applicable LDAR schedule for NSPS sources, as indicated in Source #115, Condition #002.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)(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 for NSPS sources, as indicated in Source #115.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)	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
113 - LPG Recovery Unit	(D)(113)	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
113 - LPG Recovery Unit	(D)(113)(004)	[25 Pa. Code §127.441]	Additional Requirements	Additional requirements for this source are found in Source ID #115.	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	2015 Compliance: Continuous or Intermittent
Section D. 114 - RACT Fugitive Equipment						
114 - RACT Fugitive Equipment	(D)(114)	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
114 - RACT Fugitive Equipment	(D)(114)	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
114 - RACT Fugitive Equipment	(D)(114)(001)(a)	[25 Pa. Code §129.58]	Monitoring Requirements	a. The permittee shall conduct a monitoring program consistent with the following requirements:	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(i)	[25 Pa. Code §129.58]	Monitoring Requirements	i. Check yearly, by methods referenced in 25 Pa. Code § 139.14, pump seals and pipeline valves in liquid service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(ii)	[25 Pa. Code §129.58]	Monitoring Requirements	ii. Check quarterly by methods referenced in 25 Pa. Code § 139.14, compressor seals, pipeline valves in gaseous service, and pressure relief valves in gasoous service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(iii)	[25 Pa. Code §129.58]	Monitoring Requirements	iii. Check monthly, by visual methods, all pump seals.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(iv)	[25 Pa. Code §129.58]	Monitoring Requirements	iv. Check within 24 hours, by methods referenced in 25 Pa. Code § 139.14, a pump seal from which VOC liquids are observed to be dripping.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(v0)	[25 Pa. Code §129.58]	Monitoring Requirements	v. Check, by methods referenced in 25 Pa. Code § 139.14, a relief valve within 24 hours after it has vented to the atmosphere.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(a)(vi)	[25 Pa. Code §129.58]	Monitoring Requirements	vi. Check within 72 hours after repair, by methods referenced in 25 Pa. Code § 139.14, any refinery component that was found leaking.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(b)	[25 Pa. Code §129.58]	Monitoring Requirements	b. Pressure relief devices which are connected to an operating flare header, vapor recovery devices, inaccessible valves, storage tank valves and valves that are not externally regulated are exempt from the monitoring requirements above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(001)(c)	[25 Pa. Code §129.58]	Monitoring Requirements	c. The permittee, upon the detection of a leaking refinery component, shall affix a weatherproof and readily visible tag, bearing an identification number and the date upon which the leak is located to the leaking refinery component. This tag shall remain in place until the leaking refinery component is repaired.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(002)(a)	[25 Pa. Code §129.58]	Recordkeeping Requirements	a. The permittee shall maintain a leaking refinery components' log which shall contain, at a minimum, the following data: i. The name and process unit where the refinery component is located. ii. The type of refinery component-- for example, valve, seal. iii. The tag number of refinery component. iv. The dates on which the leaking refinery component was discovered and repaired. v. The date and instrument reading of the recheck procedure after a leaking refinery component was repaired. vi. A record of the calibration of the monitoring instrument. vii. Those leaks that cannot be repaired until turnaround. viii. The total number of refinery components checked and the total number of refinery components found leaking.	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	2015 Compliance: Continuous or Intermittent
				Section D. 114 - RACT Fugitive Equipment		
114 - RACT Fugitive Equipment	(D)(114)(002)(b)	[25 Pa. Code §129.58]	Recordkeeping Requirements	b. Copies of the monitoring log shall be retained by the permittee for five (5) years after the date on which the record was made or the report was prepared.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(002)(c)	[25 Pa. Code §129.58]	Recordkeeping Requirements	c. Copies of the monitoring log shall immediately be made available to the Department, upon verbal or written request, at any reasonable time.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(003)(a)	[25 Pa. Code §129.58]	Reporting Requirements	Upon completion of each yearly and quarterly monitoring procedure, the permittee shall: (a) Submit a report to the Department by the last business day of January, April, July, and October that lists all leaking refinery components that were located during the previous calendar quarter but not repaired within fifteen (15) days, all leaking refinery components awaiting unit turnaround, the total number of refinery components inspected and the total number of refinery components found leaking.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(003)(b)	[25 Pa. Code §129.58]	Reporting Requirements	(b) Submit a signed statement with the report attesting to the fact that, with the exception of those leaking refinery components listed in subparagraph (a) above, monitoring and repairs were performed as stipulated in the monitoring program.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(004)	[25 Pa. Code §129.58]	Reporting Requirements	a. The permittee may submit to the Department a list of refinery components the inspection of which would involve a significant element of danger. The Department may exempt the refinery components on this list from the requirements of this section if the permittee can demonstrate to the satisfaction of the Department that a significant element of danger exists which cannot be reasonably eliminated and that these exemptions will not result in a significant reduction in the effectiveness in the control of VOC emissions. Any component so exempted by the Department prior to, or subsequent to, issuance of this permit is exempt from the provisions of 25 Pa. Code § 128.58.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(005)(a)	[25 Pa. Code §129.58]	Work Practice Requirements	a. Pipeline valves and pressure relief valves in gaseous VOC service shall be marked in some manner that will be readily obvious to both refinery personnel performing monitoring and the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(005)(b)	[25 Pa. Code §129.58]	Work Practice Requirements	b. Except for safety pressure relief valves and fittings on all valves one (1) inch or smaller, the permittee shall not install or operate a valve at the end of a pipe or line containing VOCs unless the pipe or line is sealed with a second valve, a blind flange, a plug or a cap. The sealing device may be removed only when a sample is being taken or during maintenance operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(006)	[25 Pa. Code §127.512]	Additional Requirements	The following components at the facility are subject to the leak detection and repair (LDAR) requirements applicable to fugitive sources at petroleum refineries, specified in 25 Pa. Code § 129.58. Certain of these components may also be subject to federal LDAR requirements established under 40 C.F.R. 60, Subpart VV (through GGG), 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 either federal LDAR requirement, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of the applicable federal LDAR standard. 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 designated regulatory program. The fugitive monitoring plan developed and maintained on-site by the permittee identifies which portions of each unit are subject to the requirements for fugitive Sources IDs #114, 115, 128 or 215. This section of the permit identifies applicable standards for Source ID #114, which satisfies LDAR obligations through compliance with the provisions of 25 Pa. Code § 129.58. Alky Unit Amine Unit Gasoline Blending Boiler House Butane Loading Rack	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	2015 Compliance: Continuous or Intermittent
Section D. 114 - RACT Fugitive Equipment						
				Crude Units Desalter System Diesel Hydrodesulfurization Unit Diesel Hydrotreating Unit FCC Unit FCC Wet Gas Compressor Flare Isocracker Unit Kerosene Hydrodesulfurization Unit Kerosene Hydrotreating Unit Lowline Unit Marine Terminal Vapor Recovery System (VRS) Naphtha Hydrodesulfurization Unit Naphtha Unit Old Yard Flare Platformer Unit Propane Railcar Loading Propane Recovery Unit Propane Storage Reformate Sour Water Stripper Sulfur Recovery Unit (SRU) Sun Olin Unit Tank Farm Vacuum Stills VGO Hydrotreating Unit		
114 - RACT Fugitive Equipment	(D)(114)(007)	[25 Pa. Code §129.58]	Additional Requirements	The permittee may submit an alternative plan for the control of leaks from petroleum refinery equipment to the Department. If the Department finds that the alternative plan will achieve an emission reduction which is equivalent to or greater than the reduction which can be achieved under 25 Pa. Code § 129.58 and that the alternative plan is as enforceable as 25 Pa. Code § 129.58, then the Department will allow the implementation of this alternative plan.	The facility monitors components in accordance with a Department-approved alternative monitor plan.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(001)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Emission Restriction	The permittee shall comply with the requirements of 40 C.F.R. §§60.482-1 to 60.482-10 at all times.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(002)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Control Device Efficiencies Restriction	As per 40 C.F.R. §§60.592 and 60.482-10, closed vent systems shall use flares that comply with the requirements of 40 C.F.R. §60.18.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Testing Requirements	The permittee shall comply with the provisions of 40 C.F.R. §60.485 except as provided in 40 C.F.R. §60.593. (a) In conducting the performance tests required in 40 C.F.R. §60.8, the permittee shall use as reference methods and procedures for the test methods in appendix A of 40 C.F.R. Part 60 or other methods and procedures as specified in this section, except as provided in 40 C.F.R. §60.8(b). (b) The permittee shall determine compliance with the standards in 40 C.F.R. §§60.482-1 through 60.482-10, 60.483, and 60.484 as follows: (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. The following calibration gases shall be used: (i) Zero air (less than 10 ppm of hydrocarbon in air); and (ii) A mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane. (c) The permittee shall determine compliance with the no detectable emission standards in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, 60.482-7(f), and 60.482-10(e) as follows: (1) The requirements of paragraph (b) shall apply. (2) Method 21 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. (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: (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 C.F.R. §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. (2) Organic compounds that are considered by the Administrator to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid. (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 Administrator disagrees with the judgment, paragraphs (d) (1) and (2) above shall be used to resolve the disagreement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

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				(e) The permittee shall demonstrate that a piece of equipment is in light liquid service by showing that all the following conditions apply: (1) The vapor pressure of one or more of the organic components is greater than 0.3 kPa at 20 °C (1.2 in. H2 O at 68 °F). Standard reference texts or ASTM D2879-83, 96, or 97 (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the vapor pressures. (2) The total concentration of the pure organic components having a vapor pressure greater than 0.3 kPa at 20 °C (1.2 in. H2 O at 68 °F) is equal to or greater than 20 percent by weight. (3) The fluid is a liquid at operating conditions. (f) Samples used in conjunction with paragraphs (d), (e), and (g) of this section shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare. (g) The permittee shall determine compliance with the standards of flares as follows:		
115 - NSPS Fugitive Equipment	(D)(115)(004)(A)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	A. 40 C.F.R. §60.482-3 - Standards: Pumps in light liquid service. (a)(1) Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R. §60.485(b), except as provided in 40 C.F.R. §60.482-1(c) and (f) and §60.482-3(d), (e), and (f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(004)(A)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	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 C.F.R. §60.482-1(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(004)(A)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	(b)(1) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (2) If there are indications of liquids dripping from the pump seal, the permittee shall follow the procedure specified in either 40 C.F.R. §60.482-3(b)(2)(i) or (ii). This requirement does not apply to a pump that was monitored after a previous weekly inspection if the instrument reading for that monitoring event was less than 10,000 ppm and the pump was not repaired since that monitoring event. (i) Monitor the pump within 5 days as specified in 40 C.F.R. §60.485(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. The leak shall be repaired using the procedures in 40 C.F.R. §60.482-3(c). (ii) Designate the visual indications of liquids dripping as a leak, and repair the leak within 15 days of detection by eliminating the visual indications of liquids dripping.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(004)(A)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	(c) Pumps with exemptions are specified in 40 C.F.R. §60.482-2(d) through (h).	No pumps exemptionpted from monitoring.	NA

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115 - NSPS Fugitive Equipment	(D)(115)(004)(B)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	B. 40 C.F.R. §60.842-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(1) Each valve shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R. §60.485(b) and shall comply with 40 C.F.R. §60.482-7(b) through (e), except as provided in 40 C.F.R. §60.482-7(f), §60.482-1(c) and (f). (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 40 C.F.R. §60.482-7(a)(2)(i), except for a valve that replaces a leaking valve and except as provided in 40 C.F.R. §§60.482-7(f), (g), and (h), 60.482-1(c). (i) Monitor the valve as in 40 C.F.R. §60.482-7(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. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (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 2 or 3 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. (2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-7(f) through (h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(004)(C)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	C. 40 C.F.R. §60.842-10 - Standards: Closed vent systems and control devices. (a) The permittee shall monitor the flares to ensure that they are operated and maintained in conformance with their designs. (b) Except as provided in 40 C.F.R. §60.482-10(i) through (k), each closed vent system shall be inspected according to the procedures and schedule specified in 40 C.F.R. §60.482-10(b)(1) and (2). (1) If the vapor collection system or closed vent system is constructed of hard-piping, the permittee shall comply with the requirements specified in 40 C.F.R. §60.482-10(b)(1)(i) and (b)(1)(ii): (i) Conduct an initial inspection according to the procedures in 40 C.F.R. §60.485(b); and (ii) Conduct annual visual inspections for visible, audible, or olfactory indications of leaks. (2) If the vapor collection system or closed vent system is constructed of ductwork, the permittee shall: (i) Conduct an initial inspection according to the procedures in 40 C.F.R. §60.485(b); and (ii) Conduct annual inspections according to the procedures in 40 C.F.R. §60.485(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(A)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	A. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) The permittee shall record the information specified in 40 C.F.R. §60.482-10(a)(1) through (l)(5). (1) 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. (2) 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. (3) For each inspection during which a leak is detected, a record of the information specified in 40 C.F.R. §60.486(c). (4) For each inspection conducted in accordance with 40 C.F.R. §60.485(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. (5) For each visual inspection conducted in accordance with 40 C.F.R. §60.482-10(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

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115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	B. The permittee shall comply with the provisions of 40 C.F.R. §60.486 - Recordkeeping requirements. (a)(1) The permittee shall comply with the recordkeeping requirements of this section. (2) The permittee may comply with the recordkeeping requirements for the facilities in one recordkeeping system if the system identifies each record by each facility.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(b) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, the following requirements apply: (1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment. (2) The identification on a valve may be removed after it has been monitored for 2 successive months as specified in 40 C.F.R. §60.482-7(c) and no leak has been detected during those 2 months. (3) The identification on equipment except on a valve, may be removed after it has been repaired.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(c) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, 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. (2) The date the leak was detected and the dates of each attempt to repair the leak. (3) Repair methods applied in each attempt to repair the leak. (4) "Above 10,000" if the maximum instrument reading measured by the methods specified in 40 C.F.R. §60.485(a) after each repair attempt is equal to or greater than 10,000 ppm. (5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak. (6) The signature of the permittee (or designate) whose decision it was that repair could not be effected without a process shutdown. (7) The expected date of successful repair of the leak if a leak is not repaired within 15 days. (8) Dates of process unit shutdowns that occur while the equipment is unrepaired. (9) The date of successful repair of the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(d) The following information pertaining to the design requirements for closed vent systems and flares described in 40 C.F.R. §60.482-10 shall be recorded and kept in a readily accessible location: (1) Detailed schematics, design specifications, and piping and instrumentation diagrams. (2) The dates and descriptions of any changes in the design specifications. (3) A description of the parameter or parameters monitored, as required in 40 C.F.R. §60.482-10(e), to ensure that the flares are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring. (4) Periods when the closed vent systems and control devices required in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-4, and 60.482-5 are not operated as designed, including periods when a flare pilot light does not have a flame. (5) Dates of startups and shutdowns of the closed vent systems and control devices required in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-4, and 60.482-5.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

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115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(e) The following information pertaining to all equipment subject to the requirements in 40 C.F.R. §§60.482-1 to 60.482-10 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 this subpart. (2)(i) A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of 40 C.F.R. §§60.482-2(e), 60.482-3(i) and 60.482-7(f). (ii) The designation of equipment as subject to the requirements of 40 C.F.R. §60.482-2(e), §60.482-3(i), or §60.482-7(f) shall be signed by the permittee. Alternatively, the permittee may establish a mechanism with their permitting authority that satisfies this requirement. (3) A list of equipment identification numbers for pressure relief devices required to comply with 40 C.F.R. §60.482-4. (4)(i) The dates of each compliance test as required in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, and 60.482-7(f). (ii) The background level measured during each compliance test. (iii) The maximum instrument reading measured at the equipment during each compliance test. (5) A list of identification numbers for equipment in vacuum service. (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 C.F.R. §60.482-1(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
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(f) The following information pertaining to all valves subject to the requirements of 40 C.F.R. §60.482-7(g) and (h) and to all pumps subject to the requirements of 40 C.F.R. §60.482-2(g) shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for valves and pumps that are designated as unsafe-to-monitor, an explanation for each valve or pump stating why the valve or pump is unsafe-to-monitor, and the plan for monitoring each valve or pump. (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
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(g) Not applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	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 C.F.R. §§.60.482-2(d)(5) and 60.482-3(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
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	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 C.F.R. §60.480(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
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	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

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115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(k)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(k) The provisions of 40 C.F.R. §60.7 (b) and (d) do not apply to affected facilities subject to this subpart.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(006)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	The permittee shall comply with the provisions of 40 C.F.R. §60.487 - Reporting requirements. (a) The permittee shall submit semiannual reports to DEP beginning six months after the initial startup date.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(006)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(b) The initial semiannual report to DEP shall include the following information: (1) Process unit identification. (2) Number of valves subject to the requirements of 40 C.F.R. §60.482-7, excluding those valves designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-7(f). (3) Number of pumps subject to the requirements of 40 C.F.R. §60.482-2, excluding those pumps designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-2(e) and those pumps complying with 40 C.F.R. §60.482-2(f). (4) Number of compressors subject to the requirements of 40 C.F.R. §60.482-3, excluding those compressors designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-3(i) and those compressors complying with 40 C.F.R. §60.482-3(h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(006)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(c) All semiannual reports to the Administrator shall include the following information, summarized from the information in 40 C.F.R. §60.486: (1) Process unit identification. (2) For each month during the semiannual reporting period, (i) Number of valves for which leaks were detected as described in 40 C.F.R. §60.482-7(b) or §60.483-2, (ii) Number of valves for which leaks were not repaired as required in 40 C.F.R. §60.482-7(d)(1), (iii) Number of pumps for which leaks were detected as described in 40 C.F.R. §60.482-2(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 C.F.R. §60.482-2(c)(1) and (d)(6), (v) Number of compressors for which leaks were detected as described in 40 C.F.R. §60.482-3(f), (vi) Number of compressors for which leaks were not repaired as required in 40 C.F.R. §60.482-3(g)(1), and (vii) The facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible. (3) Dates of process unit shutdowns which occurred within the semiannual reporting period. (4) Revisions to items reported according to paragraph (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
115 - NSPS Fugitive Equipment	(D)(115)(006)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(d) Not applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(006)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(e) The permittee shall report the results of all performance tests in accordance with 40 C.F.R. §60.8 of the General Provisions. The provisions of 40 C.F.R. §60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that the permittee must notify DEP 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

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115 - NSPS Fugitive Equipment	(D)(115)(006)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(f) The requirements of paragraphs (a) through (c) above remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, 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 paragraphs (a) through (c) above, 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
115 - NSPS Fugitive Equipment	(D)(115)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	A. 40 C.F.R. §60.482-2 - Standards: Pumps in light liquid service. As per 40 C.F.R. §60.482(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 C.F.R. §60.482-9. (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 in 40 C.F.R. §60.482-3(c)(2)(i) and (ii), 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
115 - NSPS Fugitive Equipment	(D)(115)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	B. 40 C.F.R. §60.482-3 - Standards: Compressors. (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 C.F.R. §§60.482-1(c) and 60.482-3(h), (i), and (j). (b) Each compressor seal system as required in 40 C.F.R. §60.482-3(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 C.F.R. §60.482-10; or (3) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. (c) The barrier fluid system shall be in heavy liquid service or shall not be in VOC service. (d) Each barrier fluid system as described in 40 C.F.R. §60.482-3(a) shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both. (e)(1) Each sensor as required in 40 C.F.R. §60.482-3(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. (f) If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 C.F.R. §60.482-3(e)(2), a leak is detected. (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 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (h) Exemptions to this section are specified in 40 C.F.R. §60.482-3(h) through (j).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	C. 40 C.F.R. §60.482-4 - Standards: Pressure relief devices in gas/vapor service. (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 C.F.R. §60.485(c). (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 C.F.R. §60.482-9. (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 C.F.R. §60.485(c). (c) Exceptions to this section are specified in 40 C.F.R. §60.482-4(c) and (d).	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	2015 Compliance: Continuous or Intermittent
				Section D. 115 - NSPS Fugitive Equipment		
115 - NSPS Fugitive Equipment	(D)(115)(007)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	D. 40 C.F.R. §60.482-5 - Standards: Sampling connection systems. (a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 C.F.R. §§60.482-1(c) and 60.482-5(c). (b) Each closed-purge, closed-loop, or closed-vent system as required in 40 C.F.R. §60.482-5(a) shall comply with the requirements specified in 40 C.F.R. §60.482-5(b)(1) through (4). (1) Gases displaced during filling of the sample container are not required to be collected or captured. (2) Containers that are part of a closed-purge system must be covered or closed when not being filled or emptied. (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. (4) Each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements in either 40 C.F.R. §60.482-5(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 C.F.R. §60.482-10. (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 C.F.R. §63.111, if the waste management unit is subject to and operated in compliance with the provisions of 40 C.F.R. part 63, subpart G, applicable to Group 1 wastewater streams; (B) A treatment, storage, or disposal facility subject to regulation under 40 C.F.R. 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 C.F.R. part 261; (D) A waste management unit subject to and operated in compliance with the treatment requirements of 40 C.F.R. §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 C.F.R. §§61.343 through 61.347; or (E) A device used to burn off-specification used oil for energy recovery in accordance with 40 C.F.R. part 279, subpart G, provided the purged process fluid is not hazardous waste as defined in 40 C.F.R. part 261. (c) In situ sampling systems and sampling systems without purges are exempt from the requirements of 40 C.F.R. §60.482-5(a) and (b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	E. 40 C.F.R. §60.842-6 - Standards: Open-ended valves or lines. (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 C.F.R. §60.482-1(c) and §60.842-6(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. (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. (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 C.F.R. §60.842-6(a) at all other times. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-6(d) and (e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	F. 40 C.F.R. §60.482-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(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 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (b) First attempts at repair include, but are not limited to, the following best practices where practicable: (1) Tightening of bonnet bolts; (2) Replacement of bonnet bolts; (3) Tightening of packing gland nuts; (4) Injection of lubricant into lubricated packing.	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	2015 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(007)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	G. 40 C.F.R. §60.482-8 - Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors. (a) If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors, 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 C.F.R. §60.485(b) and shall comply with the requirements of 40 C.F.R. §60.482-8(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. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (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 C.F.R. §60.482-9. (2) The first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (d) First attempts at repair include, but are not limited to, the best practices described under 40 C.F.R. §§60.482-2(c)(2) and 60.482-7(e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	H. 40 C.F.R. §60.482-9 - Standards: Delay of repair. (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. (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. (c) Delay of repair for valves 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 C.F.R. §60.482-10. (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. (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. (f) When delay of repair is allowed for a leaking pump or valve that remains in service, the pump or valve may be considered to be repaired and no longer subject to delay of repair requirements if two	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	I. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) Leaks, as indicated by an instrument reading greater than 500 parts per million by volume above background or by visual inspections, shall be repaired as soon as practicable except as provided in 40 C.F.R. §60.482-10(b). (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. (b) 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. (c) Exemptions to this section are specified in 40 C.F.R. §60.482-10(i) through (k). (d) Closed vent systems and the flares 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

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(008)	[25 Pa. Code §127.512]	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 VV. 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 GGG, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of 40 C.F.R. 60, Subpart VV. 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 #115, which satisfies LDAR obligations through compliance with the provisions of 40 C.F.R. 60, Subpart VV. Alky Unit Diesel Hydrotreating Unit Kerosene Hydrotreating Unit Propane Railcar Loading Propane Storage FCC Wet Gas Compressor Propane Recovery Unit (Source ID 113)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(a) The group of all the equipment (defined in 40 C.F.R. §60.591) within a process unit is an affected facility.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(b) Any affected facility under paragraph (a) of this section that commences construction or modification after January 4, 1983, is subject to the requirements of this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(c) Addition or replacement of equipment (defined in 40 C.F.R. §60.591) for the purpose of process improvement which is accomplished without a capital expenditure shall not by itself be considered a modification under this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.591]	Additional Requirements	Equipment means each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service. For the purposes of recordkeeping and reporting only, compressors are considered equipment.	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	2015 Compliance: Continuous or Intermittent
Section D. 118 - Rail Car Loading LPG & Butane						
118 - Rail Car Loading LPG & Butane	(D)(118)(001)	[25 Pa. Code §127.441]	Emission Restriction	Emissions from the loading of butane and propane shall not exceed 3.94 tons in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
118 - Rail Car Loading LPG & Butane	(D)(118)	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
118 - Rail Car Loading LPG & Butane	(D)(118)	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
118 - Rail Car Loading LPG & Butane	(D)(118)(002)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The number of rail cars that vent to the atmosphere during loading, as well as the amount of propane or butane loaded shall be recorded on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
118 - Rail Car Loading LPG & Butane	(D)(118)(003)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall calculate the emissions from the rail car loading each month, and perform calculations to demonstrate compliance with the 12 month rolling limit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
118 - Rail Car Loading LPG & Butane	(D)(118)	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
118 - Rail Car Loading LPG & Butane	(D)(118)	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
118 - Rail Car Loading LPG & Butane	(D)(118)	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	2015 Compliance: Continuous or Intermittent
Section D. 119 - Platformer Regenerator						
119 - Platformer Regenerator	(D)(119)(001)	[25 Pa. Code §127.441]	Emission Restriction	The emissions of hydrochloric acid from the catalyst regenerator shall not exceed 0.37 tons of HCl in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1567]	Emission Restriction	Uncontrolled emissions of HCl shall be reduced by 97%, by weight, corrected to 3 percent oxygen.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	The permittee may change the established operating limit by meeting the following requirements: (a) to change an established operating permit limit for a continuous parameter monitoring system by doing an additional performance test, a performance test in conjunction with an engineering assessment, or an engineering assessment to verify that, at the new operating limit, the permittee is in compliance with the applicable emission limitation; (b) establish a revised operating limit for the continuous parameter monitoring system if the permittee makes any change in process or operating conditions that could affect control system performance or the permittee changes designated conditions after the last performance or compliance tests were done. The permittee can establish the revised operating limit as described in (a), above.	Facility policies, procedures, and operating practices are in place to ensure compliance. No operating limits were changed in 2015.	Continuous
119 - Platformer Regenerator	(D)(119)(004)	[25 Pa. Code §127.441]	Monitoring Requirements	The continuous monitoring system shall consist of a thermocouple on the inlet and outlet of the hydrogen chloride absorption system in order to measure the temperature of the inlet and outlet of the hydrogen chloride absorption system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(005)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1567]	Monitoring Requirements	The permittee shall: (a) operate, and maintain a continuous monitor of the inlet gas temperature to the hydrogen chloride absorption system; and (b) demonstrate continuous compliance with the average daily inlet temperature limit of not to exceed 350°F. (c) monitor the inlet and outlet chloride levels on the catalyst on a weekly basis in accordance with the facility's Operation, Maintenance, and Monitoring plan.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
119 - Platformer Regenerator	(D)(119)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1569]	Monitoring Requirements	The permittee shall visually inspect the blind flange on the bypass line at least once a month.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	(a) The permittee must operate, and maintain the inlet thermocouple according to the following: (1) the thermocouple must have valid hourly average data from at least 75 percent of the hours during which the process operated; and (2) the thermocouple must determine and record the hourly average of all recorded readings and the daily average of all recorded readings for each operating day. The daily average must cover a 24-hour period if operation is continuous or the number of hours of operation per day if operation is not continuous.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous

119 - Platformer Regenerator	(D)(119)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	(b) The permittee must monitor and collect data according to the following: (1) except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks), the permittee must conduct all monitoring in continuous operation at all times this source is operating; and (2) the permittee may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of this regulation, including data averages and calculations. The permittee must use all the data collected during all other periods in assessing the operation of the control device and associated control system.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
119 - Platformer Regenerator	(D)(119)(008)	[25 Pa. Code §127.441]	Recordkeeping Requirements	Sufficient data shall be recorded, in a format approved by the Department, so that compliance with the conditions in this operating permit can be determined. (a) The permittee shall keep a copy of all stack tests that are required by this operating permit. (b) The permittee shall keep monthly, and 12 consecutive month, records of the emissions of	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(009)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1569]	Recordkeeping Requirements	The permittee shall record the results of the monthly monitoring of the bypass line including whether the blind is maintained in the correct position such that the vent stream cannot be diverted through the bypass line.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(a) The permittee must retain the following: (1) A copy of each notification and report that the company submitted to comply with 40 C.F.R. 63, Subpart UUU, including all documentation supporting any initial notification or Notification of Compliance Status that the company submitted); (2) The records in 40 C.F.R. § 63.6(e)(1)(iii) through (v) related to startup, shutdown, and malfunction; and (3) Records of performance tests and performance evaluations as required in 40 C.F.R. § 63.10(b)(2)(viii).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(b) The permittee must keep records required by Tables 27, 28, and 39 of 40 C.F.R. 63, Subpart UUU to show continuous compliance with each emission limitation that applies to the source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(c) The permittee must keep a current copy of the operation, maintenance, and monitoring plan onsite and available for inspection. The permittee must keep records to show continuous compliance with the procedures in the operation, maintenance, and monitoring plan.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(d) The permittee must keep the records of any changes that affect emission control system performance including, but not limited to, the location at which the vent stream is introduced into the flame zone for a boiler or process heater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(e) The permittee's records must be in a form suitable and readily available for expeditious review.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(010)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1576]	Recordkeeping Requirements	(f) The permittee must keep each record for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. These records must be kept on site for at least two (2) years, after which they may be kept off site for the remaining 3 years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(011)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Reporting Requirements	(a) The permittee shall report each instance of the following: (1) chloride limit exceedances; and (2) inlet temperature exceedances, including periods of startup, shutdown, and malfunction. The report shall also include each instance in which it did not meet the work practice standards in 40 C.F.R. 63, Subpart UUU. These deviations must be reported according to the requirements in 40 C.F.R. § 63.1575.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

119 - Platformer Regenerator	(D)(119)(011)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Reporting Requirements	(b) Deviations that occur during a period of startup, shutdown, or malfunction are not violations if the permittee demonstrates to the Administrator's satisfaction that it was operating in accordance with the SSMP. The SSMP shall require that good air pollution control practices are used during those periods. The plan must also include elements designed to minimize the frequency of such periods (i.e., root cause analysis). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in 40 C.F.R. §63.6(e) and the contents of the SSMP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(a) The permittee must submit each report semiannually as outlined in Table 43 of 40 C.F.R. Part 63, Subpart UUU.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(b) The compliance reports may be submitted along with the semi-annual compliance certification reports required by Section C, of this operating permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(c) The compliance report must contain the information required in paragraphs (c)(1) through (4): (1) company name and address; (2) statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report; (3) date of report and beginning and ending dates of the reporting period; and (4) if there are no deviations from any emission limitation that applies and there are no deviations from the requirements for work practice standards, a statement that there were no deviations from the emission limitations or work practice standards during the reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(d) For each deviation from the inlet temperature to the hydrogen chloride absorber the compliance report must contain the information in (c)(1) through (3), above, and (d)(1) through (4), below: (1) the total operating time of each affected source during the reporting period; (2) information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken; (3) information concerning the chloride exceedances, including; and (4) information on the number, duration, and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with daily calibration checks).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(e)(1)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(e) The permittee also must include the following in each compliance report, if applicable; (1) a copy of any performance test done during the reporting period on this source. The report may be included in the next semiannual report. The copy must include a complete report for each test method used for a particular kind of emission point tested. For additional tests performed for a similar emission point using the same method, the permittee must submit the results and any other information required, but a complete test report is not required. A complete test report contains a brief process description; a simplified flow diagram showing affected processes, control equipment, and sampling point locations; sampling site data; description of sampling and analysis procedures and any modifications to standard procedures; quality assurance procedures; record of operating conditions during the test; record of preparation of standards; record of calibrations; raw data sheets for field sampling; raw data sheets for field and laboratory analyses; documentation of calculations; and any other information required by the test method.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(e)(2)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(2) any requested change in the applicability of an emission standard (e.g., the permittee wants to change from the HCl concentration standard to percent reduction for catalytic reforming units) in the periodic report. All information and data necessary to demonstrate compliance with the new emission standard selected and any other associated requirements must be included.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(f) The permittee may submit reports required by other regulations in place of, or as part of, the compliance report if they contain the required information.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

119 - Platformer Regenerator	(D)(119)(012)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(g) The following reporting requirements apply to startups, shutdowns, and malfunctions: (1) when actions taken to respond are consistent with the plan, the permittee is not required to report these events in the semiannual compliance report and the reporting requirements in 40 C.F.R. §§ 63.6(e)(3)(iii) and 63.10(d)(5) do not apply; and (2) when actions taken to respond are not consistent with the plan, the permittee must report these events and the response taken in the semiannual compliance report. In this case, the reporting requirements in 40 C.F.R. §§ 63.6(e)(3)(iv) and 63.10(d)(5) do not apply.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(013)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall limit the chloride level of the sorbent entering the gas adsorption to 1.35%, or less, calculated as a weekly average.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(013)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The permittee shall limit the chloride level of the sorbent exiting the gas adsorption system to 1.8%, or less, calculated as a weekly average.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
119 - Platformer Regenerator	(D)(119)(014)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	Work Practice Requirements	(a) The permittee shall reduce uncontrolled emissions of total organic compounds (TOC) or nonmethane TOC from the process vent by 98 percent by weight using a control device or to a concentration of 20 ppmv (dry basis as hexane), corrected to 3 percent oxygen, whichever is less stringent.	Vents streams are introduced into the flame zone of the Platformer Heater.	Continuous
119 - Platformer Regenerator	(D)(119)(014)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	Work Practice Requirements	(b) Compliance with the above can be demonstrated by venting emissions to a boiler or process heater to comply with the percent reduction or concentration emission limitation. The vent stream must be introduced into the flame zone, or any other location that will achieve the percent reduction or concentration standard.	Vents streams are introduced into the flame zone of the Platformer Heater.	Continuous
119 - Platformer Regenerator	(D)(119)(015)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1567]	Work Practice Requirements	The permittee shall: (a) maintain an operation, maintenance, and monitoring plan according to the requirements in 40 C.F.R. § 63.1574(f) and operate at all times according to the procedures in the plan. (b) demonstrate continuous compliance with the work practice standard in paragraph (a), above, by maintaining records to document conformance with the procedures in the operation, maintenance and monitoring plan.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(016)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1569]	Work Practice Requirements	The permittee must demonstrate continuous compliance with each work practice standard in Table 36 of 40 C.F.R. 63, Subpart UUU that applies according to the requirements in Table 39 of 40 C.F.R. 63, Subpart UUU. Compliance with the procedures in the operation, maintenance, and monitoring plan shall demonstrate compliance with the above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(017)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Work Practice Requirements	(a) The permittee must maintain and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 C.F.R. §63.6(e)(3).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(017)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Work Practice Requirements	(b) During periods of startup, shutdown, and malfunction, the permittee must operate the source, control device, and monitoring equipment in accordance with the SSMP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)	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	2015 Compliance: Continuous or Intermittent
Section D. 120 - Acid Gas Flare						
120 - Acid Gas Flare	(D)(120)(001)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	The permittee shall not burn in this flare any fuel gas that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf) on 3-hour average, except process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions. The combustion in the flare or process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(002)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	The permittee shall determine compliance with the H2S standard using EPA method 11, 15, 15A, or 16 for the flare sweep/assist gas.	Facility policies, procedures, and operating practices are in place to ensure compliance. H2S in flare's supplemental fuel gas is monitored continuously.	Continuous
120 - Acid Gas Flare	(D)(120)(003)	[25 Pa. Code §127.441]	Monitoring Requirements	The presence of the flare pilot flame shall be monitored and recorded using a thermocouple or any other equivalent device that can detect the presence of a flame. When using any other equivalent device, the permittee shall submit to the Department a request for determination (RFD) for the change of such monitoring device. The Department will determine if new operating parameter(s), monitoring, recordkeeping, and reporting requirements in this permit need to be added or revised to accommodate the changes.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
120 - Acid Gas Flare	(D)(120)(004)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor and record the total amount of the process gas including the fuel gas combusted in the flare on a monthly basis.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
120 - Acid Gas Flare	(D)(120)(005)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	The permittee shall use the Department certified continuous monitoring system to monitor and record the concentration (dry basis) of H2S in fuel sweep/assist gases before being burned in the flare.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Department has not yet certified the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
120 - Acid Gas Flare	(D)(120)(006)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of all occurrences of fuel gas and process upset gases releases due to relief valve leakages or gases released during emergency malfunctions.	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	2015 Compliance: Continuous or Intermittent
Section D. 120 - Acid Gas Flare						
120 - Acid Gas Flare	(D)(120)(006)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the total amount of the process gas and the fuel gas combusted in the flare on a monthly basis.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
120 - Acid Gas Flare	(D)(120)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]	Recordkeeping Requirements	(a) The permittee shall keep records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the flare; or any periods during which a continuous monitoring system or monitoring device is inoperative.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Recordkeeping Requirements	(b) The permittee shall keep CEMS records in accordance with 40 CF.R. §60.7(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(008)	[25 Pa. Code §127.441]	Reporting Requirements	The permittee shall report all flame outages to DEP, as per the malfunction reporting provisions in Section C of this Operating Permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(009)	[25 Pa. Code §127.441]	Work Practice Requirements	The permittee shall eliminate the routes of continuous or intermittent, routinely-generated fuel gases to the flare and operate the flare such that it receives only process upset gases, fuel gas released as a result of relief valve leakage or gases released due to other emergency malfunctions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(010)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(a) The flare shall be operated with no visible emissions as determined by the methods specified in 40 C.F.R. §60.18(f), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(b) The flare shall be operated with a flame present at all times, as determined by the method specified in 40 C.F.R. §60.18(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(010)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(c) The flare shall be used only with the net heating value of the gas being combusted being 7.45 MJ/scm (200 Btu/scf) or greater, for non-assisted flares.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
120 - Acid Gas Flare	(D)(120)(010)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(d) The flare shall be operated with an exit velocity less than 18.3m/sec (60ft/sec).	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	2015 Compliance: Continuous or Intermittent
Section D. 120 - Acid Gas Flare						
120 - Acid Gas Flare	(D)(120)(011)	[25 Pa. Code §127.441]	Additional Requirements	The following sources shall be controlled by this flare: Emergency release Amine unit Acid gas knockout pot Amine stripper overhead accumulator	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	2015 Compliance: Continuous or Intermittent
				Section D. 121 - Sour Gas Flare		
121 - Sour Gas Flare	(D)(121)(001)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104]	Fuel Restriction	The permittee shall not burn in this flare any fuel gas that contains hydrogen sulfide (H2S) in excess of 162 ppmv (0.10 gr/dscf) on 3-hour average, except process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions. The combustion in the flare or process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(002)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	The permittee shall determine compliance with the H2S standard using EPA method 11, 15, 15A, or 16 for the flare sweep/assist gas.	Facility policies, procedures, and operating practices are in place to ensure compliance. The gas combusted by the flare is continuously monitored for H2S.	Continuous
121 - Sour Gas Flare	(D)(121)(003)	[25 Pa. Code §127.441]	Monitoring Requirements	The presence of the flare pilot flame shall be monitored and recorded using a thermocouple or any other equivalent device that can detect the presence of a flame. When using any other equivalent device, the permittee shall submit to the Department a request for determination (RFD) for the change of such monitoring device. The Department will determine if new operating parameter(s), monitoring, recordkeeping, and reporting requirements in this permit need to be added or revised to accommodate the changes.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
121 - Sour Gas Flare	(D)(121)(004)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor and record the total amount of the process gas including the fuel gas combusted in the flare on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(005)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Monitoring Requirements	The permittee shall use the Department certified continuous monitoring system to monitor and record the concentration (dry basis) of H2S in fuel sweep/assist gases before being burned in the flare.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Department has not yet certified the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
121 - Sour Gas Flare	(D)(121)(006)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall maintain records of all occurrences of fuel gas and process upset gases releases due to relief valve leakages or gases released during emergency malfunctions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(006)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the total amount of the process gas and the fuel gas combusted in the flare on a monthly basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.7]	Recordkeeping Requirements	(a) The permittee shall keep records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the flare; or any periods during which a continuous monitoring system or monitoring device is inoperative.	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	2015 Compliance: Continuous or Intermittent
Section D. 121 - Sour Gas Flare						
121 - Sour Gas Flare	(D)(121)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources	Recordkeeping Requirements	(b) The permittee shall keep CEMS records in accordance with 40 CF.R. §60.7(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(008)	[25 Pa. Code §127.441]	Reporting Requirements	The permittee shall report all flame outages to DEP, as per the malfunction reporting provisions in Section C of this Operating Permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
121 - Sour Gas Flare	(D)(121)(009)	[25 Pa. Code §127.441]	Work Practice Requirements	The permittee shall eliminate the routes of continuous or intermittent, routinely-generated fuel gases to the flare and operate the flare such that it receives only process upset gases, fuel gas released as a result of relief valve leakage or gases released due to other emergency malfunctions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
121 - Sour Gas Flare	(D)(121)(010)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(a) The flare shall be operated with no visible emissions as determined by the methods specified in 40 C.F.R. §60.18(f), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(b) The flare shall be operated with a flame present at all times, as determined by the method specified in 40 C.F.R. §60.18(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
121 - Sour Gas Flare	(D)(121)(010)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(c) The flare shall be used only with the net heating value of the gas being combusted being 7.45 MJ/scm (200 Btu/scf) or greater, for non-assisted flares.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(010)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(d) The flare shall be operated with an exit velocity less than 18.3m/sec (60ft/sec).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
121 - Sour Gas Flare	(D)(121)(011)	[25 Pa. Code §127.441]	Additional Requirements	The following sources shall be controlled by this flare: Sour water stripper gas knockout pot Sour water storage tank (34-T-1)	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	2015 Compliance: Continuous or Intermittent
				Section D. 122 - Back-up Flare		
122 - Back-up Flare	(D)(122)(001)	[25 Pa. Code §127.441]	Fuel Restriction	The permittee shall not burn any fuel gas in the flare containing hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10gr/dscf).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The presence of the flare pilot flame shall be monitored and recorded using a thermocouple or any other equivalent device that can detect the presence of a flame. When using any other equivalent device, the permittee shall submit to the Department a request for determination (RFD) for the change of such monitoring device. The Department will determine if new operating parameter(s), monitoring, recordkeeping, and reporting requirements in this permit need to be added or revised to accommodate the changes.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(003)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The permittee shall conduct a visual observation of the flare at least once every six (6) hours each calendar day that the back-up flare is operating.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(003)(b)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The permittee shall monitor and record the total amount of the process gas including the fuel gas combusted in the flare on a monthly basis.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(004)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall record the visual observations of the flare in a logbook.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(004)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the total amount of the process gas and the fuel gas combusted in the flare on a monthly basis.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(005)	[25 Pa. Code §127.441]	Work Practice Requirements	Purging and venting to the flare header from all vessels, piping and associated equipment being shutdown shall be completed prior to opening the flange to the back-up flare. Operating sources may remain connected to the flare header. The permittee shall sample the continuous gas stream to the flare header while the back-up flare is operating to ensure that the acid gas is not being sent to the	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(1) The flare shall be designed for and operated with no visible emissions. (2) Flares shall be operated with a flame present at all times. (3) Flares shall be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater. (4) The flare shall be operated with an exit velocity less than 18.3 m/sec (60 ft/sec).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(007)	[25 Pa. Code §127.441]	Additional Requirements	The following sources shall be controlled by the Main Flare (Source ID 103) and backed up by the Back-Up Flare (Source ID 122): Source ID Source Name 114 RACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 115 NSPS Fugitive Equipment (exept fugitive emissions not required to be captured for control) 118 Railcar Loading LPG & Butane 128 MACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 210 Miscellaneous Process Vents 215 NSPS New Fugitive Equipment (exept fugitive emissions not required to be captured for control) 501 Spheroid 501 502 Spheroid 502 513 Spheroid 513 T006 MACT Group 1 Tanks routed to Closed Vent System	The Back-up Flare did not operate during the reporting period.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 123 - #66 Ext. Float 43M BBLS						
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)	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
123 - #66 Ext. Float 43M BBLS	(D)(123)(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	2015 Compliance: Continuous or Intermittent
Section D. 124 - #67 Ext. Float 43M BBLS						
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)	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
124 - #67 Ext. Float 43M BBLS	(D)(124)(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	2015 Compliance: Continuous or Intermittent
Section D. 125 - #68 Ext. Float 43M BBLS						
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)	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
125 - #68 Ext. Float 43M BBLS	(D)(125)(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	2015 Compliance: Continuous or Intermittent
Section D. 126 - #95 Ext. Float 59M BBLS						
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)	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
126 - #95 Ext. Float 59M BBLS	(D)(126)(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	2015 Compliance: Continuous or Intermittent
Section D. 127 - #96 Ext. Float 59M BBLS						
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)	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
127 - #96 Ext. Float 59M BBLS	(D)(127)(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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(001)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Emission Restriction	(a) As per 40 C.F.R. §63.640(p)(1), equipment leaks that are also subject to the provisions of 40 C.F.R. parts 60 and 61 standards promulgated before September 4, 2007, are required to comply only with the provisions specified in this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(001)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Emission Restriction	(b) As per 40 C.F.R. §63.648(a), the permittee shall comply with the provisions of 40 C.F.R. part 60 subpart VV.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Control Device Efficiencies Restriction	Emissions from closed vent systems shall comply with the provisions of 40 C.F.R. §60.482-10 by using flares that comply with the requirements of 40 C.F.R. §60.18.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Testing Requirements	The permittee shall comply with test methods and procedures in accordance with 40 C.F.R. §60.485. (a) In conducting the performance tests required in 40 C.F.R. §60.8, the permittee shall use as reference methods and procedures for the test methods in appendix A of 40 C.F.R. Part 60 or other methods and procedures as specified in this section, except as provided in 40 C.F.R. §60.8(b). (b) The permittee shall determine compliance with the standards in 40 C.F.R. §§60.482-1 through 60.482-10, 60.483, and 60.484 as follows: (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. The following calibration gases shall be used: (i) Zero air (less than 10 ppm of hydrocarbon in air); and (ii) A mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane. (c) The permittee shall determine compliance with the no detectable emission standards in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, 60.482-7(f), and 60.482-10(e) as follows: (1) The requirements of paragraph (b) shall apply. (2) Method 21 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. (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: (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 § 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. (2) Organic compounds that are considered by the Administrator to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid. (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 Administrator disagrees with the judgment, paragraphs (d) (1) and (2) above shall be used to resolve the disagreement. (e) The permittee shall demonstrate that a piece of equipment is in light liquid service by showing that all the following conditions apply: (1) The vapor pressure of one or more of the organic components is greater than 0.3 kPa at 20 °C (1.2 in. H2 O at 68 °F). Standard reference texts or ASTM D2879-83, 96, or 97 (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the vapor pressures. (2) The total concentration of the pure organic components having a vapor pressure greater than 0.3 kPa at 20 °C (1.2 in. H2 O at 68 °F) is equal to or greater than 20 percent by weight. (3) The fluid is a liquid at operating conditions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
				(f) Samples used in conjunction with paragraphs (d), (e), and (g) of this section shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare. (g) The permittee shall determine compliance with the standards of flares as follows: (1) Method 22 shall be used to determine visible emissions. (2) A thermocouple or any other equivalent device shall be used to monitor the presence of a pilot flame in the flare. (3) The maximum permitted velocity for air assisted flares shall be computed using the equation specified in 40 C.F.R. §60.485(g)(3). (4) The net heating value (HT) of the gas being combusted in a flare shall be computed using the equation specified in 40 C.F.R. §60.485(g)(4). (5) Method 18 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 parts per million by volume) and ASTM D2504-67, 77 or 88 (Reapproved 1993) (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the concentration of sample component "i." (6) ASTM D2382-76 or 88 or D4809-95 (incorporated by reference—see 40 C.F.R. §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. (7) Method 2, 2A, 2C, or 2D, 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.		
128 - MACT Fugitives	(D)(128)(004)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Monitoring Requirements	A. 40 C.F.R. §60.482-3 - Standards: Pumps in light liquid service. (a)(1) Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R. §60.485(b), except as provided in 40 C.F.R. §60.482-1(c) and (f) and §60.482-3(d), (e), and (f). (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 C.F.R. §60.482-1(f). (b)(1) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (2) If there are indications of liquids dripping from the pump seal, the permittee shall follow the procedure specified in either 40 C.F.R. §60.482-3(b)(2)(i) or (ii). This requirement does not apply to a pump that was monitored after a previous weekly inspection if the instrument reading for that monitoring event was less than 10,000 ppm and the pump was not repaired since that monitoring event. (i) Monitor the pump within 5 days as specified in 40 C.F.R. §60.485(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. The leak shall be repaired using the procedures in 40 C.F.R. §60.482-3(c). (ii) Designate the visual indications of liquids dripping as a leak, and repair the leak within 15 days of detection by eliminating the visual indications of liquids dripping. (c) Pumps with exemptions are specified in 40 C.F.R. §60.482-2(d) through (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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(004)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Monitoring Requirements	B. 40 C.F.R. §60.842-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(1) Each valve shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R. §60.485(b) and shall comply with 40 C.F.R. §60.482-7(b) through (e), except as provided in 40 C.F.R. §60.482-7(f) and §60.482-1(c) and (f). (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 40 C.F.R. §60.482-7(a)(2)(i), except for a valve that replaces a leaking valve and except as provided in 40 C.F.R. §§60.482-7(f), (g), and (h), 60.482-1(c). (i) Monitor the valve as in 40 C.F.R. §60.482-7(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. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (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 2 or 3 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. (2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-7(f) through (h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(004)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Monitoring Requirements	C. 40 C.F.R. §60.842-10 - Standards: Closed vent systems and control devices. (a) The permittee shall monitor the flares to ensure that they are operated and maintained in conformance with their designs. (b) Except as provided in 40 C.F.R. §60.482-10(i) through (k), each closed vent system shall be	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(005)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Recordkeeping Requirements	A. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) The permittee shall record the information specified in 40 C.F.R. §60.482-10(a)(1) through (l)(5). (1) 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. (2) 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. (3) For each inspection during which a leak is detected, a record of the information specified in 40 C.F.R. §60.486(c). (4) For each inspection conducted in accordance with 40 C.F.R. §60.485(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. (5) For each visual inspection conducted in accordance with 40 C.F.R. §60.482-10(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

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(005)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Recordkeeping Requirements	B. The permittee shall comply with the provisions of 40 C.F.R. §60.486 - Recordkeeping requirements. (a)(1) The permittee shall comply with the recordkeeping requirements of this section. (2) The permittee may comply with the recordkeeping requirements for the facilities in one recordkeeping system if the system identifies each record by each facility. (b) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, the following requirements apply: (1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment. (2) The identification on a valve may be removed after it has been monitored for 2 successive months as specified in 40 C.F.R. §60.482-7(c) and no leak has been detected during those 2 months. (3) The identification on equipment except on a valve, may be removed after it has been repaired. (c) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, 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. (2) The date the leak was detected and the dates of each attempt to repair the leak. (3) Repair methods applied in each attempt to repair the leak. (4) "Above 10,000" if the maximum instrument reading measured by the methods specified in 40 C.F.R. §60.485(a) after each repair attempt is equal to or greater than 10,000 ppm. (5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak. (6) The signature of the permittee (or designate) whose decision it was that repair could not be effected without a process shutdown. (7) The expected date of successful repair of the leak if a leak is not repaired within 15 days. (8) Dates of process unit shutdowns that occur while the equipment is unrepaired. (9) The date of successful repair of the leak. (d) The following information pertaining to the design requirements for closed vent systems and flares described in 40 C.F.R. §60.482-10 shall be recorded and kept in a readily accessible location: (1) Detailed schematics, design specifications, and piping and instrumentation diagrams. (2) The dates and descriptions of any changes in the design specifications. (3) A description of the parameter or parameters monitored, as required in 40 C.F.R. §60.482-10(e), to ensure that the flares are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring. (4) Periods when the closed vent systems and control devices required in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-4, and 60.482-5 are not operated as designed, including periods when a flare pilot light does not have a flame. (5) Dates of startups and shutdowns of the closed vent systems and control devices required in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-4, and 60.482-5. (e) The following information pertaining to all equipment subject to the requirements in 40 C.F.R. §§60.482-1 to 60.482-10 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 this subpart. (2)(i) A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of 40 C.F.R. §§ 60.482-2(e), 60.482-3(i) and 60.482-7(f). (ii) The designation of equipment as subject to the requirements of 40 C.F.R. §60.482-2(e), §60.482-3(i), or §60.482-7(f) shall be signed by the permittee. Alternatively, the permittee may establish a mechanism with their permitting authority that satisfies this requirement. (3) A list of equipment identification numbers for pressure relief devices required to comply with 40 C.F.R. §60.482-4. (4)(i) The dates of each compliance test as required in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, and 60.482-7(f). (ii) The background level measured during each compliance test. (iii) The maximum instrument reading measured at the equipment during each compliance test. (5) A list of identification numbers for equipment in vacuum service. (6) A list of identification numbers for equipment that the permittee designates as operating in VOC service less than 300 hrs/yr in accordance with 40 C.F.R. §60.482-1(c). a description of the	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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
				(f) The following information pertaining to all valves subject to the requirements of 40 C.F.R. §60.482-7(g) and (h) and to all pumps subject to the requirements of 40 C.F.R. §60.482-2(g) shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for valves and pumps that are designated as unsafe-to-monitor, an explanation for each valve or pump stating why the valve or pump is unsafe-to-monitor, and the plan for monitoring each valve or pump. (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. (g) Not applicable. (h) The following information shall be recorded in a log that is kept in a readily accessible location: (1) Design criterion required in 40 C.F.R. §§60.482-2(d)(5) and 60.482-3(e)(2) and explanation of the design criterion; and (2) Any changes to this criterion and the reasons for the changes. (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 C.F.R. §60.480(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. (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.		
128 - MACT Fugitives	(D)(128)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Reporting Requirements	The permittee shall comply with the provisions of 40 C.F.R. §60.487 - Reporting requirements. (a) The permittee shall submit semiannual reports to DEP beginning six months after the initial startup date. (b) The initial semiannual report to DEP shall include the following information: (1) Process unit identification. (2) Number of valves subject to the requirements of 40 C.F.R. §60.482-7, excluding those valves designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-7(f). (3) Number of pumps subject to the requirements of 40 C.F.R. §60.482-2, excluding those pumps designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-2(e) and those pumps complying with 40 C.F.R. §60.482-2(f). (4) Number of compressors subject to the requirements of 40 C.F.R. §60.482-3, excluding those compressors designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-3(i) and those compressors complying with 40 C.F.R. §60.482-3(h). (c) All semiannual reports to the Administrator shall include the following information, summarized from the information in 40 C.F.R. §60.486:	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
				(2) For each month during the semiannual reporting period, (i) Number of valves for which leaks were detected as described in 40 C.F.R. §60.482-7(b) or §60.483-2, (ii) Number of valves for which leaks were not repaired as required in 40 C.F.R. §60.482-7(d)(1), (iii) Number of pumps for which leaks were detected as described in 40 C.F.R. §60.482-2(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 C.F.R. §60.482-2(c)(1) and (d)(6), (v) Number of compressors for which leaks were detected as described in 40 C.F.R. §60.482-3(f), (vi) Number of compressors for which leaks were not repaired as required in 40 C.F.R. §60.482-		

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
				(3) Dates of process unit shutdowns which occurred within the semiannual reporting period. (4) Revisions to items reported according to paragraph (b) if changes have occurred since the initial report or subsequent revisions to the initial report. (d) Not applicable. (e) The permittee shall report the results of all performance tests in accordance with §60.8 of the General Provisions. The provisions of 40 C.F.R. §60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that the permittee must notify DEP of the schedule for the initial performance tests at least 30 days before the initial performance tests. (f) The requirements of paragraphs (a) through (c) above remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, 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 paragraphs (a) through (c) above, provided that they comply with the requirements established by the State.		
128 - MACT Fugitives	(D)(128)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	A. 40 C.F.R. §60.482-2 - Standards: Pumps in light liquid service. As per 40 C.F.R. §60.482(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 C.F.R. §60.482-9. (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 in 40 C.F.R. §60.482-3(c)(2)(i) and (ii), 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
128 - MACT Fugitives	(D)(128)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	B. 40 C.F.R. §60.482-3 - Standards: Compressors. (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 C.F.R. §60.482-1(c) and 40 C.F.R. §60.482-3(h), (i), and (j). (b) Each compressor seal system as required in 40 C.F.R. §60.482-3(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 C.F.R. §60.482-10; or (3) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. (c) The barrier fluid system shall be in heavy liquid service or shall not be in VOC service. (d) Each barrier fluid system as described in 40 C.F.R. §60.482-3(a) shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both. (e)(1) Each sensor as required in 40 C.F.R. §60.482-3(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. (f) If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 C.F.R. §60.482-3(e)(2), a leak is detected. (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 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (h) Exemptions to this section are specified in 40 C.F.R. §60.482-3(h) through (j).	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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(007)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	C. 40 C.F.R. §60.482-4 - Standards: Pressure relief devices in gas/vapor service. (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 C.F.R. §60.485(c). (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 C.F.R. §60.482-9. (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 C.F.R. §60.485(c). (c) Exceptions to this section are specified in 40 C.F.R. §60.482-4(c) and (d).		Continuous
128 - MACT Fugitives	(D)(128)(007)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	D. 40 C.F.R. §60.482-5 - Standards: Sampling connection systems. (a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 C.F.R. §60.482-1(c) and §60.482-5(c). (b) Each closed-purge, closed-loop, or closed-vent system as required in 40 C.F.R. §60.482-5(a) shall comply with the requirements specified in 40 C.F.R. §60.482-5(b)(1) through (4). (1) Gases displaced during filling of the sample container are not required to be collected or captured. (2) Containers that are part of a closed-purge system must be covered or closed when not being filled or emptied. (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. (4) Each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements in either 40 C.F.R. §60.482-5(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 C.F.R. §60.482-10. (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 C.F.R. §63.111, if the waste management unit is subject to and operated in compliance with the provisions of 40 C.F.R. part 63, subpart G, applicable to Group 1 wastewater streams; (B) A treatment, storage, or disposal facility subject to regulation under 40 C.F.R. 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 C.F.R. part 261; (D) A waste management unit subject to and operated in compliance with the treatment requirements of 40 C.F.R. §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 C.F.R. §§61.343 through 61.347; or (E) A device used to burn off-specification used oil for energy recovery in accordance with 40 C.F.R. part 279, subpart G, provided the purged process fluid is not hazardous waste as defined in 40 C.F.R. part 261. (c) In situ sampling systems and sampling systems without purges are exempt from the requirements of 40 C.F.R. §60.482-5(a) and (b).	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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(007)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	E. 40 C.F.R. §60.842-6 - Standards: Open-ended valves or lines. (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 C.F.R. §60.482-1(c) and §60.842-6(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. (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. (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 C.F.R. §60.842-6(a) at all other times. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-6(d) and (e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(007)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	F. 40 C.F.R. §60.482-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(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 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (b) First attempts at repair include, but are not limited to, the following best practices where practicable: (1) Tightening of bonnet bolts; (2) Replacement of bonnet bolts; (3) Tightening of packing gland nuts; (4) Injection of lubricant into lubricated packing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(007)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	G. 40 C.F.R. §60.482-8 - Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors. (a) If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors, 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 C.F.R. §60.485(b) and shall comply with the requirements of 40 C.F.R. §60.482-8(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. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (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 C.F.R. §60.482-9. (2) The first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (d) First attempts at repair include, but are not limited to, the best practices described under 40 C.F.R. §§60.482-2(c)(2) and 60.482-7(e).	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	2015 Compliance: Continuous or Intermittent
				Section D. 128 - MACT Fugitives		
128 - MACT Fugitives	(D)(128)(007)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	H. 40 C.F.R. §60.482-9 - Standards: Delay of repair. (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. (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. (c) Delay of repair for valves 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 C.F.R. §60.482-10. (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. (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. (f) When delay of repair is allowed for a leaking pump or valve that remains in service, the pump or valve 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.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(007)(i)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	I. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) Leaks, as indicated by an instrument reading greater than 500 parts per million by volume above background or by visual inspections, shall be repaired as soon as practicable except as provided in 40 C.F.R. §60.482-10(b). (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. (b) 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. (c) Exemptions to this section are specified in 40 C.F.R. §60.482-10(i) through (k). (d) Closed vent systems and the flares 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

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(008)	[25 Pa. Code §127.512]	Additional Requirements	The following units at the facility are subject to the leak detection and repair (LDAR) requirements applicable to fugitive sources at petroleum refineries, specified in 40 C.F.R. 63, Subpart CC. Certain of these components may also be subject to 25 Pa. Code §129.58, and/or federal LDAR requirements established under 40 C.F.R. 60, Subpart VV (through GGG), 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. 63, Subpart CC, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of 40 C.F.R. 63, Subpart CC. Therefore, each component at the facility that is subject to an LDAR requirement under state of federal regulations complies with applicable LDAR standards by implementing an LDAR program consistent with the LDAR provisions of 40 C.F.R. 63, Subpart CC. The fugitive monitoring plan developed and maintained on-site by the permittee identifies which portions of each unit are subject to the requirements for fugitive sources (IDs #112, 114, 115, 128, and 215). This section of the permit identifies applicable standards for Source ID #128, which satisfies LDAR obligations through compliance with the provisions of 40 C.F.R. 63, Subpart CC. Alky Unit Amine Unit Gasoline Blending Crude Units Diesel Hydrodesulfurization Unit FCC Unit Isocracker Unit Kerosene Hydrodesulfuriztion Unit Marine Terminal Vapor Recovery System (VRS) Naphtha Hydrodesulfurization Unit Naphtha Unit Platformer Unit Reformate Sulfur Recovery Unit (SRU) Sun Olin Unit Tank Farm VGO Hydrotreating Unit	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(009)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.640]	Additional Requirements	(a) As per 40 C.F.R. §63.640(p)(1), after the compliance dates specified in 40 C.F.R. §63.640(h), equipment leaks that are also subject to the provisions of 40 C.F.R. Parts 60 and 61 standards promulgated before September 4, 2007, are required to comply only with the provisions specified in this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(009)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.640]	Additional Requirements	(b) As per 40 C.F.R. §63.640(q), for overlap of subpart CC with State regulations (25 Pa. Code §129.58), DEP allows consolidation of the monitoring, recordkeeping, and reporting requirements under this subpart with the monitoring, recordkeeping, and reporting requirements under other applicable requirements in 40 C.F.R. parts 60, 61, or 63, and in any 40 C.F.R. part 52 approved State implementation plan.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(010)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Additional Requirements	As per 40 C.F.R. §60.482-1, (a) The permittee shall demonstrate compliance with the requirements of 40 C.F.R. §§60.482-1 through 60.482-10 for all equipment within 180 days of initial startup. (b) Compliance with 40 C.F.R. §§60.482-1 to 60.482-10 will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in 40 C.F.R. §60.485.	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	2015 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	2015 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	2015 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 §127.441]	Fuel Restriction	The source shall fire natural gas only.	Facility policies, procedures, and operating practices are in place to ensure compliance.	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)(004)	[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)(005)	[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.	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)(006)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) This source shall only be used during FCC unit (Source ID 101) start-up.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)(006)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) RACT for this source is that the heater shall be operated and maintained in accordance with manufacturer's specifications and in accordance with good air pollution control practices.	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	2015 Compliance: Continuous or Intermittent
Section D. 131 - AWWTP Emergency Generator						
131 - AWWTP Emergency Generator	(D)(131)	None	Restrictions	No additional 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	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)(001)	[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)(002)	[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)	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).		N/A
131 - AWWTP Emergency Generator	(D)(131)(003)(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)(003)(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 set forth in paragraph (1) or (2) below: (1) For a spark-ignited engine, 3.0 grams of NOx per brake horsepower-hour. (2) For a compression ignition stationary internal combustion engine firing diesel fuel or a combination of diesel fuel and natural gas, 2.3 grams of NOx per brake horsepower-hour.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(003)(c)	[25 Pa. Code §129.203]	Additional Requirements	(c) Emissions from a stationary internal combustion engine that has been or is replaced by an electric motor may be counted as allowable emissions for purposes of this section and 25 Pa. Code §129.204, as follows: (1) For a replaced spark-ignited engine, 3.0 grams of NOx per brake horsepower-hour of the	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
131 - AWWTP Emergency Generator	(D)(131)(004)(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

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2015 Compliance: Continuous or Intermittent
Section D. 131 - AWWTP Emergency Generator						
131 - AWWTP Emergency Generator	(D)(131)(004)(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
131 - AWWTP Emergency Generator	(D)(131)(004)(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)(004)(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)(004)(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)(004)(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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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	2015 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