COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: January 12, 2024 Effective Date: January 12, 2024

Expiration Date: January 11, 2029

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 23-00001
Synthetic Minor
Federal Tax Id - Plant Code: 46-4151222-12

Owner Information

Name: SUNOCO LLC
Mailing Address: 100 GREEN ST
MARCUS HOOK, PA 19061-4800

Plant Information

Plant: SUNOCO LLC/MH RACE FUELS
Location: 23 Delaware County 23825 Marcus Hook Borough
SIC Code: 5171 Wholesale Trade - Petroleum Bulk Stations And Terminals

Responsible Official

Name: MARK J FREDERICK
Title: SUPERVISOR, TERMINAL OPS
Phone: (610) 859 - 5881 Email: mark.frederick@sunoco.com

Permit Contact Person

Name: MARY FLEMING
Title: EHS LEAD SPECIALIST
Phone: (817) 354 - 2710 Email: mary.fleming@sunoco.com

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

SECTION A. Table of Contents

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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
117	CAM II LOADING RACK	24,000.000	Gal/HR	CAM II GASOLINE
119	9TH & GREEN LOADING RACK		N/A	GASOLINE LOADING
120	TANK 101 INT FLOAT 4.75 MBBL		N/A	PETRO. LIQUIDS
124	TANK 169 INT FLOAT 5 MBBL		N/A	PETROLEUM LIQUIDS
205	TANK 254 INT FLOAT 12.8 MBBL		N/A	PETRO. LIQUIDS
206	TANK 269 INT FLOAT 13.0 MBBL		N/A	PETRO. LIQUIDS
218	TANK 166 INT FLOAT 4.75 MBBL		N/A	PETRO. LIQUIDS
220	TANK 255 INT FLOAT 15.0 MBBL		N/A	PETRO. LIQUIDS
222	TANK 167 INT FLOAT 10.0 MBBL		N/A	PETRO. LIQUIDS
300	MISCELLANEOUS TANKS		N/A	GASOLINE
349	TANK F-23 INT FLOAT 1.2 MBBL		N/A	PETRO. LIQUIDS
350	TANK F3 CONE ROOF 0.71 MBBL		N/A	PETRO. LIQUIDS
351	TANK F4 CONE ROOF 0.48 MBBL		N/A	PETRO. LIQUIDS
402	MAINTENANCE ACTIVITIES		N/A	PETRO.LIQUIDS
800	TERMINAL-WIDE FUGITIVE EQUIPMENT		N/A	REFINERY FUGITIVES
C119	JOHN ZINK CARBON ADSORBER			
C99	MC GILL CARBON ADSORBER			
S119	9TH & GREEN LOADING RACK STACK			
Y349	TANK F-23 FUG			
Y90	255 TANK FUG			
Y97	BLIND CHANGING FUG			
Y99	LOADING RACK FUG			
Z10	101 TANK FUG			
Z205	TANK 254 FUG			
Z206	TANK 269 FUG			
Z222	TANK 167 FUG			
Z300	MISC MACT GROUP 2 FUGITIVES			
Z800	STATE FUGITIVES			

PERMIT MAPS

PROC 117 → CNTL C99 → STAC Y99

PROC 119 → CNTL C119 → STAC S119

PROC 120 → STAC Z10

PROC 124 → CNTL C99 → STAC Y99

PERMIT MAPS

PROC 205	→ STAC Z205	
PROC 206	→ STAC Z206	
PROC 218	→ CNTL C99	→ STAC Y99
PROC 220	→ STAC Y90	
PROC 222	→ STAC Z222	
PROC 300	→ STAC Z300	
PROC 349	→ STAC Y349	
PROC 350	→ CNTL C99	→ STAC Y99
PROC 351	→ CNTL C99	→ STAC Y99
PROC 402	→ STAC Y97	
PROC 800	→ STAC Z800	

SECTION B. General State Only Requirements

#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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) 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.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) 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.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars ($4,000) for calendar years 2021—2025.

(ii) Five thousand dollars ($5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars ($6,300) for the calendar years beginning with 2031.

SECTION B. General State Only Requirements

(2) For a facility that is not a synthetic minor, a fee equal to:

(i) Two thousand dollars ($2,000) for calendar years 2021—2025.

(ii) Two thousand five hundred dollars ($2,500) for calendar years 2026—2030.

(iii) Three thousand one hundred dollars ($3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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.

(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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

SECTION B. General State Only Requirements

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

(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 for the source is 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.

(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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

SECTION B. General State Only Requirements

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#012 [25 Pa. Code § 127.441]

Severability Clause.

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized 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, the regulations thereunder 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, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

SECTION B. General State Only Requirements

(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 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.

(e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(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)

SECTION B. General State Only Requirements

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(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).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise
notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

SECTION B. General State Only Requirements

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

(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.

(b) The permittee shall retain records of any 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.

(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.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

SECTION B. General State Only Requirements

#023 [25 Pa. Code §135.3]

Reporting

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]

Report Format

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

 # 002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

(1) Construction or demolition of buildings or structures.
(2) Grading, paving and maintenance of roads and streets.
(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
(4) Clearing of land.
(5) Stockpiling of materials.
(6) Open burning operations, as specified in 25 Pa. Code § 129.14.
(7) N/A
(8) N/A
(9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) The emissions are of minor significance with respect to causing air pollution; and
(ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

 # 003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

 # 004 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

 # 005 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

(a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour; or
(b) Equal to or greater than 60% at any time.

 # 006 [25 Pa. Code §123.42]

Exceptions

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in any of the following instances:

(a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
(b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
(c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall limit facility-wide volatile organic compound (VOC) emissions to 24.9 tons per year, based on a 12-month rolling sum.

SECTION C. Site Level Requirements

(b) The permittee shall limit facility-wide hazardous air pollutant (HAP) emissions to the following, based on a 12-month rolling sum:

(1) 9.9 tons per year for any individual HAP, and

(2) 24.9 tons per year for total combined HAPs.

[The permittee shall ensure compliance with these Federally enforceable limits by restricting facility-wide throughput from both loading racks to 30,000,000 gallons per year, based on a 12-month rolling sum.]

 # 008 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

(a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
(b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
(c) A fire set for the prevention and control of disease or pests, when approved by the Department.
(d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
(e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
(f) A fire set solely for recreational or ceremonial purposes.
(g) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test at the outlets of the McGill and John Zink carbon adsorber units (Source IDs C99 and C119) using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack testing manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for the pollutants required by each source. Tests shall be conducted in accordance with the provisions of EPA Test Methods or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in

SECTION C. Site Level Requirements

writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

 # 011 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements; or
(b) Observers trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, or additional information previously reported to the Department, the permittee shall be required to conduct monitoring and recordkeeping of parameters and at a frequency deemed necessary by the Department to determine the actual emission rate.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the facility, once per operating day, for the following:

(1) odors which may be objectionable (as per 25 Pa. Code § 123.31);
(2) visible emissions (as per 25 Pa. Code §§ 123.41 and 123.42).; and
(3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused or may be caused by operations at the site, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated on site shall:

(1) be investigated;
(2) be reported to the facility management, or individual(s) designated by the permittee;
(3) have appropriate corrective action taken (for emissions that originate on-site); and
(4) be recorded in a permanent written log.

IV. RECORDKEEPING REQUIREMENTS.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records for all de minimis source categories in order to demonstrate compliance with the de minimis limits for VOC of three pounds per hour, 15 pounds per day and 2.7 tons per year for each category.

SECTION C. Site Level Requirements

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record all spills/releases of petroleum liquids, of the following amounts, in a written file:

(1) A release of more than 25 gallons to a containment area, structure or facility around an aboveground storage tank;
(2) A release of more than 5 gallons to a synthetic surface, such as asphalt or concrete;
(3) A release of more than one gallon to surface soils.

(b) Information to be recorded, at a minimum, shall be the following:

(1) The quantity of substance involved;
(2) The date and time the release occurred;
(3) Interim remedial action planned, initiated, and/or completed.

(c) The permittee shall keep these records at the site location for a period of five (5) years and shall make them available to the Department upon request.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records on all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all sources identified in this permit.

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a record of all stack tests that are required by this operating permit.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

(a) emissions increase of minor significance without notification to the Department.
(b) de minimis increases with notification to the Department, via letter.
(c) increases resulting from a Request for Determination (RFD) to the Department.
(d) increases resulting from the issuance of a plan approval and subsequent operating permit.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A copy of all manufacturer's specifications shall be kept for all CEMs that are required by this operating permit.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain a daily record of all reports of fugitive emissions (except LDAR), visible emissions, and odor monitoring, including those that deviate from the terms and conditions of this permit. The report(s) shall contain, at a minimum, the following items:

(1) date, time, and location of the incident(s);
(2) to the extent known, identification of the primary cause of the event; and
(3) a description of any response action taken, if necessary to address the situation.

(b) All records generated shall be maintained and kept at the facility for a period of not less than 5 years and shall be made available to the Department upon written or verbal request at a reasonable time.

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following on a monthly and 12-month rolling basis:

(a) Facility-wide throughput, in gallons,

SECTION C. Site Level Requirements

(b) Facility-wide VOC emission calculations, in tons per year,

(c) Facility-wide individual and combined HAP emission calculations, in tons per year.

 # 022 [25 Pa. Code §129.56]

Storage tanks greater than 40,000 gallons capacity containing VOCs

(a) For storage tanks with a capacity greater than 40,000 gallons storing VOCs with a vapor pressure greater than 1.5 psia under actual storage conditions shall, on a monthly basis, maintain records of the following information for each storage tank:

(1) The name of the petroleum liquid being stored in the tank.
(2) The period of time over which the liquid was stored.
(3) The maximum true vapor pressure of the particular liquid stored during the term of its storage.

(b) For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature of the hottest month of the year in which such storage takes place.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11094]

Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

What are my recordkeeping requirements?

[Authority for this permit condition is derived from 40 CFR § 63.11094(d) and (e).]

(a) In accordance with 40 CFR § 63.11089, the permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR § 63.11089, the record shall contain a full description of the program.

(b) In accordance with 40 CFR § 63.11089, the permittee shall record in the log book for each leak that is detected the information specified in paragraphs (b)(1) through (7) of this condition.

(1) The equipment type and identification number.

(2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).

(3) The date the leak was detected and the date of each attempt to repair the leak.

(4) Repair methods applied in each attempt to repair the leak.

(5) “Repair delayed” and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.

(6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.

(7) The date of successful repair of the leak.

 # 024 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]

Subpart F--Recycling and Emissions Reduction

Prohibitions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For appliances normally containing fifty (50) or more pounds of refrigerant, the date and type of service and the quantity of refrigerant added shall be recorded. These records shall be kept for a minimum of five (5) years.

SECTION C. Site Level Requirements

V. REPORTING REQUIREMENTS.

 # 025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall notify the Department as soon as practicable of any release of gasoline or any other volatile organic compound that is not under control, not completely contained and not completely recovered within twenty-four (24) hours of its occurrence at (484) 250-5920. A release is defined as, but is not limited to a release of more than 25 gallons to an above ground surface.

(b) The permittee shall describe, to the extent information is available:

(1) the quantity of substance involved;
(2) date and time the release occurred;
(3) actual or potential danger to public health; and
(4) interim remedial actions planned, initiated, or completed.

 # 026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

(1) Name, permit or authorization number, and location of the facility;
(2) Nature and cause of the malfunction, emergency or incident;
(3) Date and time when the malfunction, emergency or incident was first observed;
(4) Expected duration of excess emissions;
(5) Estimated rate of emissions; and
(6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

SECTION C. Site Level Requirements

 # 027 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this condition is also derived from 40 CFR Part 68.]

(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).

(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 threshold quantity at a 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 40 CFR § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(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.

(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.

(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.

(d) If this 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 this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If this 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.

(f) When this 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 the permittee fails to submit a compliance schedule or fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

 # 028 [40 CFR Part 61 NESHAPs §40 CFR 61.145]
Subpart M--National Emission Standard for Asbestos
Standard for demolition and renovation.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall provide the Department with notification prior to any demolition/renovation in accordance with the provisions of 40 CFR 61, Subpart M.

SECTION C. Site Level Requirements

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11095]

Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

What are my reporting requirements?

(a) The permittee shall include in a semiannual compliance report to the Administrator the following information, as applicable:

(1) For storage vessels, the information specified in 40 CFR § 60.115b, depending upon the control equipment installed, or the information specified in 40 CFR § 63.1066, if applicable.

(2) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

(3) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection.

(4) N/A.

(b) The permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under 40 CFR Part 63, Subpart BBBBBB, and the information to be included in the excess emissions report, are specified in paragraphs (b)(1) through (5) of this condition.

(1) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the owner or operator failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.

(2) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR § 63.11094(b).

(3) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR § 63.11092(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS.

(4) Each instance in which malfunctions discovered during the monitoring and inspections required under 40 CFR § 63.11092(b)(1)(i)(B)(2) and (b)(1)(iii)(B)(2) were not resolved according to the necessary corrective actions described in the monitoring and inspection plan. The report shall include a description of the malfunction and the timing of the steps taken to correct the malfunction.

(5) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:

(i) The date on which the leak was detected;

(ii) The date of each attempt to repair the leak;

(iii) The reasons for the delay of repair; and

(iv) The date of successful repair.

(c) The permittee shall submit a semiannual excess emissions report, including the information specified in paragraphs (a)(3) and (b)(5) of this condition, only for a 6-month period during which an excess emission event has occurred. If no excess emission events have occurred during the previous 6-month period, no report is required.

(d) The permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission

SECTION C. Site Level Requirements

limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR § 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. Owners or operators of affected bulk plants and pipeline pumping stations are not required to submit reports for periods during which no malfunctions occurred.

VI. WORK PRACTICE REQUIREMENTS.

 # 030 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

(a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
(b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
(c) Paving and maintenance of roadways.
(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

 # 031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 manufacturer's specifications.

 # 032 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall reduce emissions of Class I and Class II refrigerants during the service, maintenance, repair, and disposal of equipment in accordance with the requirements of 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

 # 033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

 # 034 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.

 # 035 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11089]

Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

What requirements must I meet for equipment leak inspections if my facility is a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station?

[Authority for this permit condition is derived from 40 CFR § 63.11089(a) to (d).]

(a) The permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR § 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

(b) A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

SECTION C. Site Level Requirements

(c) Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in paragraph (d) of this condition.

(d) Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The permittee shall provide in the semiannual report specified in 40 CFR § 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.

 # 036 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]

Subpart F--Recycling and Emissions Reduction

Prohibitions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

Any person operating appliances for maintenance, service, or repair, will use a certified recovery system. Any person who performs maintenance or who services or repairs appliances and who dispose of appliances, except for small appliances, room air conditioners, and motor vehicle air conditioners, will be certified by an approved techincian certified program.

Note: Appliance means any device which contains and uses a class I substance or class II substances as a refrigerant and which is used for household or commercial purposes, including air conditioners, refrigerators, chillers, or freezers. Small appliance means any of the following products that are fully manufactured, charged, and hermetically sealed in a factory with five (5) pounds of less of refrigerant: refrigerators and freezers designed for home use, room air conditioners (including window units and packaged terminal air coditioners), packaged terminal heat pumps, dehumidifiers, under-the-counter ice makers, vending machines, and drinking water coolers.

VII. ADDITIONAL REQUIREMENTS.

 # 037 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]

Subpart A--General Provisions

Compliance with standards and maintenance requirements.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. This plan shall be developed by the permittee by the source's compliance date for that relevant standard. The plan shall be incorporated by reference into the source's State Only Operating Permit.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

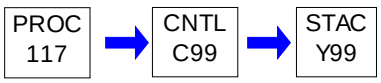
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 117 Source Name: CAM II LOADING RACK

Source Capacity/Throughput: 24,000.000 Gal/HR CAM II GASOLINE

Conditions for this source occur in the following groups: LOADING RACKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

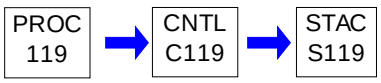
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 119 Source Name: 9TH & GREEN LOADING RACK

Source Capacity/Throughput: N/A GASOLINE LOADING

Conditions for this source occur in the following groups: LOADING RACKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

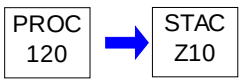
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 120 Source Name: TANK 101 INT FLOAT 4.75 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall not exceed 1.28 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

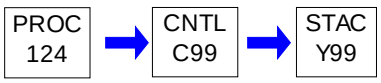
This storage tank shall be equipped with an internal floating roof, mechanical shoe seal, and painted light gray (epoxy white) or with a paint of equal of lower solar absorption.

SECTION D. Source Level Requirements

Source ID: 124 Source Name: TANK 169 INT FLOAT 5 MBBL

Source Capacity/Throughput: N/A PETROLEUM LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions from this tank shall not exceed the following:

(a) VOC - 29 lbs in any 12 consecutive month period.
(b) Benzene - 0.06 lbs in any 12 consecutive month period.

Control Device Efficiency Restriction(s).

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The maximum allowable emission permitted from the vapor recovery unit is 0.0668 lb of VOC per 100 gallons of gasoline.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

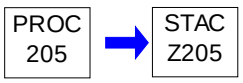
The exhaust from this storage tank shall be piped to a vapor recovery unit.

SECTION D. Source Level Requirements

Source ID: 205 Source Name: TANK 254 INT FLOAT 12.8 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source 205 shall not store any VOC with a vapor pressure greater than 11.0 psia.

The aggregate VOC emissions from these two tanks (including emissions from heated tanks and roof landings) in any 12 consecutive month period shall not exceed 6.73 tons (This aggregate limit was developed for, and based on throughputs applied for in, previous plan approval, PA-23-0001J).

Source No.	Tank No.
205	254
206	269

Compliance with the above emission limit shall be determined using the most recent EPA's Tanks program or equivalent Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

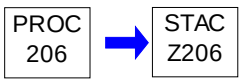
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 206 Source Name: TANK 269 INT FLOAT 13.0 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source 206 shall not store VOCs with a vapor pressure greater than 1.5 psia.

The aggregate VOC emissions for these two (2) tanks (including emissions from heated tanks and roof landings) in any 12 consecutive month period shall not exceed 6.73 tons (This aggregate limit was developed for, and based on throughputs applied for in, previous plan approval, PA-23-0001J).

Source No.	Tank No.
205	254
206	269

Compliance with the above emission limit shall be determined using the most recent EPA's Tanks program or equivalent Department approved method.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

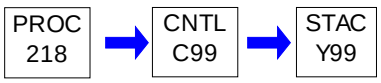
This storage tank is equipped with an internal floating roof tank with a double set of seals.

SECTION D. Source Level Requirements

Source ID: 218 Source Name: TANK 166 INT FLOAT 4.75 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall not exceed 27.99 lbs/yr.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

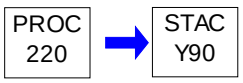
The exhaust from this storage tank shall be piped to a vapor recovery unit.

SECTION D. Source Level Requirements

Source ID: 220 Source Name: TANK 255 INT FLOAT 15.0 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

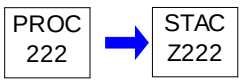
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 222 Source Name: TANK 167 INT FLOAT 10.0 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

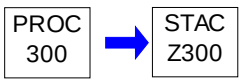
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 300 Source Name: MISCELLANEOUS TANKS

Source Capacity/Throughput: N/A GASOLINE

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of the following individual storage tanks: F-1, F-2, F-5, F-6, F-8, F-12, F-16, F-20, S-1, and M-1.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

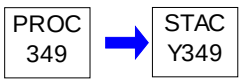
The exhaust from storage tanks F-1, F-2, F-5, and M-1 shall be piped to a vapor recovery unit.

SECTION D. Source Level Requirements

Source ID: 349 Source Name: TANK F-23 INT FLOAT 1.2 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

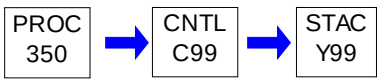
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

SECTION D. Source Level Requirements

Source ID: 350 Source Name: TANK F3 CONE ROOF 0.71 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank shall not exceed 30 lbs in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

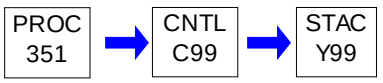
The exhaust from this storage tank shall be piped to a vapor recovery unit.

SECTION D. Source Level Requirements

Source ID: 351 Source Name: TANK F4 CONE ROOF 0.48 MBBL

Source Capacity/Throughput: N/A PETRO. LIQUIDS

Conditions for this source occur in the following groups: STORAGE TANKS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank shall not exceed 25.0 lbs in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

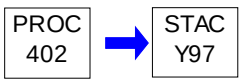
Operating permit terms and conditions.

The exhaust from this storage tank shall be piped to a vapor recovery unit.

SECTION D. Source Level Requirements

Source ID: 402 Source Name: MAINTENANCE ACTIVITIES

Source Capacity/Throughput: N/A PETRO.LIQUIDS



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Facility-wide VOC emissions from maintenance activities shall be limited to 10.1 tons per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Records shall be maintained to document and calculate VOC emissions generated from maintenance activities, including but not limited to roof landing, tank cleaning, blind changes, and piping maintenance activities. VOC emissions generated from maintenance activities shall be kept on a monthly and 12-month rolling sum basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When opening process lines for the purpose of blinding, the permittee shall depressurize and evacuate the line from both ends prior to opening the system to be worked on. While the blind is in place, the permittee shall continue to adhere to the applicable LDAR requirements.

All emissions occurring from blind changing shall be included in the emission reports from the facility.

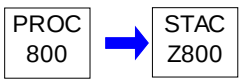
VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 800 Source Name: TERMINAL-WIDE FUGITIVE EQUIPMENT

Source Capacity/Throughput: N/A REFINERY FUGITIVES



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a monitoring program consistent with the following requirements:

(a) check yearly, by methods referenced in 25 Pa. Code § 139.14, pump seals and pipeline valves in liquid service;
(b) check quarterly by methods referenced in 25 Pa. Code § 139.14, compressor seals, pipeline valves in gaseous service, and pressure relief valves in gaseous service;
(c) check monthly, by visual methods, all pump seals;
(d) check within 24 hours, by methods referenced in 25 Pa. Code § 139.14, pump seal from which VOC liquids are observed to be dripping;
(e) check, by methods referenced in 25 Pa. Code § 139.14, a relief valve within 24 hours after it has vented to the atmosphere;
(f) check within 72 hours after repair, by methods referenced in 25 Pa. Code § 139.14, any component that was found leaking; and
(g) record leaking components which have a VOC concentration exceeding 10,000 ppm when tested in accordance with the provisions of 25 Pa. Code § 139.14 (relating to emissions of VOCs) and place an identifying tag on each component consistent with Condition #001, above.

Pressure relief devices which are connected to a vapor recovery devices, inaccessible valves, storage tank valves and valves that are not externally regulated are exempt from the monitoring requirements above. Inaccessible valves will have the same meaning as provided in 40 CFR § 60.482-7(h)(1) for difficult-to-monitor components and 40 CFR § 60.482-7(g)(1) for unsafe-to-monitor components.

The permittee, upon the detection of a leaking 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 component. This tag shall remain in place until the leaking component is repaired.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a leaking components monitoring log which shall contain, at a minimum, the following data:

(a) the name and process unit where the component is located;
(b) the type of component-- for example, valve, seal;
(c) the tag number of component;
(d) the dates on which the leaking component was discovered and repaired;

SECTION D. Source Level Requirements

(e) the date and instrument reading of the recheck procedure after a leaking component was repaired;
(f) a record of the calibration of the monitoring instrument; and
(g) those leaks that cannot be repaired until turnaround.
(h) the total number of components checked and the total number of components found leaking.

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.

Copies of the monitoring log shall immediately be made available to the Department, upon verbal or written request, at any reasonable time.

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee may submit to the Department a list of components the inspection of which would involve a significant element of danger. The Department may exempt the 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 LDAR provisions of this source.

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.

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 components that were located during the previous calendar quarter but not repaired within fifteen (15) days, all leaking components awaiting a unit turnaround, the total number of components inspected and the total number of components found leaking; and
(b) submit a signed statement with the report attesting to the fact that, with the exception of those leaking components listed in (a) above, monitoring and repairs were performed as stipulated in the monitoring program.

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]
Operating permit terms and conditions.

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.

 # 006 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall:

(a) repair and retest the leaking components as soon as possible. Every reasonable effort shall be made to repair each leak within fifteen (15) days unless a unit shutdown is required to make the necessary repair; and
(b) identify leaking components which cannot be repaired until the unit is shutdown.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

Pipeline valves and pressure relief valves in gaseous VOC service shall be marked in some manner that will be readily obvious to both facility (or contractor) personnel performing monitoring and the Department.

SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee may submit an alternative plan for the control of leaks from 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.

(b) The permittee may submit to the Department a list of components the inspection of which would involve a significant element of danger. The Department may exempt the 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.

SECTION E. Source Group Restrictions.

Group Name: LOADING RACKS

Group Description: Loading Racks shared requirements

Sources included in this group

ID	Name
117	CAM II LOADING RACK
119	9TH & GREEN LOADING RACK

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.

(i) For the CAM II loading rack (Source ID 117): Compliance with the above emission limit shall be demonstrated on the gasoline loading rack carbon adsorber CEMS outlet parameter limit of 0.53% VOC as propane.

(ii) For the 9th & Green loading rack (Source ID 119): Compliance with the above emission limit shall be demonstrated on the gasoline loading rack carbon adsorber CEMS outlet parameter limit of 0.55% VOC as propane.

[Compliance with this streamlined permit condition assures compliance with the 80 mg/L standard from 40 CFR § 63.11088(a), Table 2, 40 CFR § 60.502(c), and 25 Pa. Code § 129.59(a).]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Total combined volatile organic compound (VOC) emissions from the CAM II and 9th & Green loading racks (Source IDs 117 & 119) shall not exceed 2.23 tons per year, based on a 12-month rolling sum.

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only load gasoline from the CAM II and 9th & Green loading racks (Source IDs 117 and Source 119).

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total combined throughput of the CAM II and 9th & Green loading racks (Source IDs 117 and Source 119) shall not exceed 30,000,000 gallons of gasoline per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11092(a)-(d).]

(a) The permittee shall comply with the requirements in paragraphs (a) through (d) of this condition.

(1) Conduct a performance test on the vapor processing and collection systems according to either paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this condition.

(i) Use the test methods and procedures in 40 CFR § 60.503 of this chapter, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under 40 CFR § 60.503(b).

(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR

SECTION E. Source Group Restrictions.

§ 63.7(f).

(2) N/A.

(3) N/A.

(4) N/A.

(b) The permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system (CMS) while gasoline vapors are displaced to the vapor processor systems, as specified in paragraphs (b)(1) through (5) of this condition.

(1) For each performance test conducted under paragraph (a)(1) of this condition, the permittee shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in paragraphs (b)(1)(i) through (iv) of this condition. During the performance test, continuously record the operating parameter as specified under paragraphs (b)(1)(i) through (iv) of this condition.

(i) Where a carbon adsorption system is used, the owner or operator shall monitor the operation of the system as specified in paragraphs (b)(1)(i)(A) or (B) of this condition.

(A) A continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration shall be installed in the exhaust air stream.

(B) As an alternative to paragraph (b)(1)(i)(A) of this section, you may choose to meet the requirements listed in paragraph (b)(1)(i)(B)(1) and (2) of this condition.

(1) Carbon adsorption devices shall be monitored as specified in paragraphs (b)(1)(i)(B)(1)(i),(ii), and (iii) of this condition.

(i) Vacuum level shall be monitored using a pressure transmitter installed in the vacuum pump suction line, with the measurements displayed on a gauge that can be visually observed. Each carbon bed shall be observed during one complete regeneration cycle on each day of operation of the loading rack to determine the maximum vacuum level achieved.

(ii) Conduct annual testing of the carbon activity for the carbon in each carbon bed. Carbon activity shall be tested in accordance with the butane working capacity test of the American Society for Testing and Materials (ASTM) Method D 5228–92 (incorporated by reference, see 40 CFR § 63.14), or by another suitableprocedure as recommended by the manufacturer.

(iii) Conduct monthly measurements of the carbon bed outlet volatile organic compounds (VOC) concentration over the last 5 minutes of an adsorption cycle for each carbon bed, documenting the highest measured VOC concentration. Measurements shall be made using a portable analyzer, or a permanently mounted analyzer, in accordance with 40 CFR part 60, Appendix A–7, EPA Method 21 for open-ended lines.

(2) Develop and submit to the Administrator a monitoring and inspection plan that describes the owner or operator's approach for meeting the requirements in paragraphs (b)(1)(i)(B)(2)(i) through (v) of this condition.

(i) The lowest maximum required vacuum level and duration needed to assure regeneration of the carbon beds shall be determined by an engineering analysis or from the manufacturer's recommendation and shall be documented in the monitoring and inspection plan.

(ii) The owner or operator shall verify, during each day of operation of the loading rack, the proper valve sequencing, cycle time, gasoline flow, purge air flow, and operating temperatures. Verification shall be through visual observation, or through an automated alarm or shutdown system that monitors system operation. A manual or electronic record of the start and end of a shutdown event may be used.

(iii) The owner or operator shall perform semi-annual preventive maintenance inspections of the carbon adsorption system, including the automated alarm or shutdown system for those units so equipped, according to the

SECTION E. Source Group Restrictions.

recommendations of the manufacturer of the system.

(iv) The monitoring plan developed under paragraph (2) of this condition shall specify conditions that would be considered malfunctions of the carbon adsorption system during the inspections or automated monitoring performed under paragraphs (b)(1)(i)(B)(2)(i) through (iii) of this condition, describe specific corrective actions that will be taken to correct any malfunction, and define what the owner or operator would consider to be a timely repair for each potential malfunction.

(v) The owner or operator shall document the maximum vacuum level observed on each carbon bed from each daily inspection and the maximum VOC concentration observed from each carbon bed on each monthly inspection as well as any system malfunction, as defined in the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a log book or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction.

(ii) N/A.

(iii) N/A.

(iv) Monitoring an alternative operating parameter or a parameter of a vapor processing system other than those listed in paragraphs (b)(1)(i) through (iii) of this condition will be allowed upon demonstrating to the Administrator's satisfaction that the alternative parameter demonstrates continuous compliance with the emission standard in 40 CFR § 63.11088(a).

(2) N/A.

(3) Determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations.

(4) Provide for the Administrator's approval the rationale for the selected operating parameter value, monitoring frequency, and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in 40 CFR § 63.11088(a).

(5) N/A.

(c) For performance tests performed after the initial test required under paragraph (a) of this condition, the owner or operator shall document the reasons for any change in the operating parameter value since the previous performance test.

(d) The permittee shall comply with the requirements in paragraphs (d)(1) through (4) of this condition.

(1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in paragraph (b)(1) of this condition.

(2) In cases where an alternative parameter pursuant to paragraph (b)(1)(iv) of this condition is approved, each owner or operator shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value.

(3) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in 40 CFR § 63.11088(a), except as specified in paragraph (d)(4) of this condition.

(4) For the monitoring and inspection, as required under paragraphs (b)(1)(i)(B)(2) of this condition, malfunctions that are discovered shall not constitute a violation of the emission standard in 40 CFR § 63.11088(a) if corrective actions as described in the monitoring and inspection plan are followed. The owner or operator must:

(i) Initiate corrective action to determine the cause of the problem within 1 hour;

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(ii) Initiate corrective action to fix the problem within 24 hours;

(iii) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions;

(iv) Minimize periods of start-up, shutdown, or malfunction; and

(v) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11092(f).]

(a) The annual certification test for gasoline cargo tanks shall consist of the test methods specified in paragraphs (a)(1) or (a)(2) of this condition. Affected facilities that are subject to Subpart XX of 40 CFR Part 60 may elect, after notification to the Subpart XX delegated authority, to comply with paragraphs (a)(1) and (2) of this condition.

(1) EPA Method 27, Appendix A–8, 40 CFR part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of 5 minutes. The initial pressure (Pi) for the pressure test shall be 460 millimeters (mm) of water (18 inches of water), gauge. The initial vacuum (Vi) for the vacuum test shall be 150 mm of water (6 inches of water), gauge. The maximum allowable pressure and vacuum changes (delta p, delta v) for all affected gasoline cargo tanks is 3 inches of water, or less, in 5 minutes.

(2) Railcar bubble leak test procedures. As an alternative to the annual certification test required under paragraph (1) of this condition for certification leakage testing of gasoline cargo tanks, the owner or operator may comply with paragraphs (a)(2)(i) and (ii) of this condition for railcar cargo tanks, provided the railcar cargo tank meets the requirement in paragraph (a)(2)(iii) of this section.

(i) Comply with the requirements of 49 CFR 173.31(d), 49 CFR § 179.7, 49 CFR § 180.509, and 49 § CFR 180.511 for the periodic testing of railcar cargo tanks.

(ii) The leakage pressure test procedure required under 49 CFR § 180.509(j) and used to show no indication of leakage under 49 CFR § 180.511(f) shall be ASTM E 515–95, BS EN 1593:1999, or another bubble leak test procedure meeting the requirements in 49 CFR § 179.7, 49 CFR § 180.505, and 49 CFR § 180.509.

(iii) The alternative requirements in this paragraph (a)(2) may not be used for any railcar cargo tank that collects gasoline vapors from a vapor balance system and the system complies with a Federal, State, local, or tribal rule or permit. A vapor balance system is a piping and collection system designed to collect gasoline vapors displaced from a storage vessel, barge, or other container being loaded, and routes the displaced gasoline vapors into the railcar cargo tank from which liquid gasoline is being unloaded.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11092(g).]

Conduct of performance tests. Performance tests conducted for 40 CFR Part 63, Subpart BBBBBB shall be conducted under such conditions as the Administrator specifies to the owner or operator, based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.503(a)-(d).]

(a) In conducting the performance tests required in 40 CFR § 60.8, the permittee shall use as reference methods and procedures the test methods in appendix A of 40 CFR Part 60 or other methods and procedures as specified in this condition, except as provided in 40 CFR § 60.8(b). The three-run requirement of 40 CFR § 60.8(f) does not apply to 40 CFR

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Part 60, Subpart XX.

(b) Immediately before the performance test required to determine compliance with 40 CFR § 60.502(b), (c), and (h), the owner or operator shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The permittee shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.

(c) The permittee shall determine compliance with the standards in 40 CFR § 60.502(b) and (c) as follows:

(1) The performance test shall be 6 hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs.

(2) If the vapor processing system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled.

(3) The emission rate of total organic compounds shall be computed using the equation specified in 40 CFR § 60.503(c)(3).

(4) The performance test shall be conducted in intervals of 5 minutes. For each interval, readings from each measurement shall be recorded, and the volume of air-vapor mixture exhausted at each interval and the corresponding average total organic compounds concentration at each interval shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted.

(5) The following methods shall be used to determine the volume of air-vapor mixture exhausted at each interval:

(i) Method 2B shall be used for combustion vapor processing systems.

(ii) Method 2A shall be used for all other vapor processing systems.

(6) Method 25A or 25B shall be used for determining the total organic compounds concentration at each interval. The calibration gas shall be either propane or butane. The owner or operator may exclude the methane and ethane content in the exhaust vent by any method (e.g., Method 18) approved by the Administrator.

(7) To determine the volume (L) of gasoline dispensed during the performance test period at all loading racks whose vapor emissions are controlled by the processing system being tested, terminal records or readings from gasoline dispensing meters at each loading rack shall be used.

(d) The permittee shall determine compliance with the standard in 40 CFR § 60.502(h) as follows:

(1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.

(2) During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall test the Vapor Recovery Unit associated with each loading rack for compliance with the emission limit at least 180 days prior to expiration of this permit.

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III. MONITORING REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate, calibrate, certify, and maintain the carbon adsorption system according to the manufacturer's specifications.

The continuous emission monitoring system shall be maintained in the exhaust air stream and shall adhere to the general requirements of 40 CFR §§ 63.8 and 10.

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11094(b) and (c).]

(a) The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in paragraphs (a)(1) through (3) of this condition.

(1) Annual certification testing performed under 40 CFR § 63.11092(f)(1) and periodic railcar bubble leak testing performed under 40 CFR § 63.11092(f)(2).

(2) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information:

(i) Name of test: Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure.

(ii) Cargo tank owner's name and address.

(iii) Cargo tank identification number.

(iv) Test location and date.

(v) Tester name and signature.

(vi) Witnessing inspector, if any: Name, signature, and affiliation.

(vii) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing.

(viii) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition.

(3) If you are complying with the alternative requirements in 40 CFR § 63.11088(b), you must keep records documenting that you have verified the vapor tightness testing according to the requirements of the Administrator.

(b) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraph (b) of this section, the permittee may comply with the requirements in either paragraph (b)(1) or paragraph (b)(2) of this condition.

(1) An electronic copy of each record is instantly available at the terminal.

(i) The copy of each record in paragraph (b)(1) of this condition is an exact duplicate image of the original paper record with certifying signatures.

(ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (b)(1) of this condition.

(2) For facilities that use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by the Administrator's delegated representatives during the course of a site visit,

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or within a mutually agreeable time frame.

(i) The copy of each record in paragraph (b)(2) of this condition is an exact duplicate image of the original paper record with certifying signatures.

(ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (b)(2) of this condition.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11094(f).]

(a) The permittee shall:

(1) Keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR § 63.11092(b) or § 63.11092(e). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record.

(2) Record and report simultaneously with the Notification of Compliance Status required under 40 CFR § 63.11093(b):

(i) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR § 63.11092(b) or § 63.11092(e); and

(ii) N/A.

(3) Keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under 40 § 63.11092(b)(1)(i)(B)(2).

(4) Keep an up-to-date, readily accessible record of all system malfunctions, as specified in 40 CFR § 63.11092(b)(1)(i)(B)(2)(v).

(5) If the permittee requests approval to use a vapor processing system or monitor an operating parameter other than those specified in 40 CFR § 63.11092(b), the permittee shall submit a description of planned reporting and recordkeeping procedures.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11094(g).]

(a) The permittee shall keep records as specified in paragraphs (a)(1) and (2) of this condition.

(1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR § 63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.505.]

(a) The tank truck vapor tightness documentation required under 40 CFR § 60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection.

(b) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:

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(1) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27.

(2) Tank owner and address.

(3) Tank identification number.

(4) Testing location.

(5) Date of test.

(6) Tester name and signature.

(7) Witnessing inspector, if any: Name, signature, and affiliation.

(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).

(c) A record of each monthly leak inspection required under 40 CFR § 60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information:

(1) Date of inspection.

(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).

(3) Leak determination method.

(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).

(5) Inspector name and signature.

(d) The terminal owner or operator shall keep documentation of all notifications required under 40 CFR § 60.502(e)(4) on file at the terminal for at least 2 years.

(e) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraphs (a), (c), and (d) of this condition, the permittee may comply with the requirements in either paragraph (e)(1) or (2) of this condition.

(1) An electronic copy of each record is instantly available at the terminal.

(i) The copy of each record in paragraph (e)(1) of this condition is an exact duplicate image of the original paper record with certifying signatures.

(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(1) of this condition.

(2) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame.

(i) The copy of each record in paragraph (e)(2) of this condition is an exact duplicate image of the original paper record with certifying signatures.

(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(2) of this condition.

(f) The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.

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 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Additional authority for this permit condition is also derived from 25 Pa. Code § 129.59.]

When loading is performed through means other than hatches, the loading and vapor lines must be equipped with fittings which make vapor tight connections and which will be closed when disconnected.

 # 016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and maintain records of VOC and HAP emissions from each loading rack on a monthly and 12-month rolling basis.

 # 017 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

(a) The permittee shall maintain records of certification testing and repairs. The records shall identify the gasoline tank truck, vapor collection system or vapor control system; the date of the test or repair; and, if applicable, the type of repair and the date of retest. The records shall be maintained in a legible, readily-available condition for 1 year after the date the testing or repair was completed.

(b) The records of certification tests required by (a), above, shall contain:

(1) the gasoline tank truck tank serial number;
(2) the initial test pressure and the time of the reading;
(3) the final test pressure and the time of the reading;
(4) the initial test vacuum and the time of the reading;
(5) the final test vacuum and the time of the reading;
(6) at the top of each report page, the company name and the date and location of the tests on that page; and
(7) the name and title of the person conducting the test.

(c) Copies of records and reports under this subsection shall be made available to the Department upon verbal or written request at any reasonable time. A copy of the test results for each gasoline tank shall be kept with the truck.

(d) Gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

V. REPORTING REQUIREMENTS.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11093(c)-(d).]

(a) The permittee shall submit a Notification of Compliance Status as specified in § 63.9(h).

(b) The permittee submit a Notification of Performance Test, as specified in 40 CFR § 63.9(e), prior to initiating testing required by 40 CFR § 63.11092(a) or § 63.11092(b).

(c) The permittee submit additional notifications specified in 40 CFR § 63.9, as applicable.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall include in a semi-annual report to the Administrator the loading of each gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

VI. WORK PRACTICE REQUIREMENTS.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 63.11088(a) and (b), and 40 CFR § 60.502(a) and (d).]

(a) The permittee shall:

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(i) Equip the loading rack(s) with a vapor collection system designed to collect the total organic compound (TOC) vapors displaced from cargo tanks during product loading.

(ii) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere.

(iii) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in 40 CFR § 60.502(e) through (j).

(b) As an alternative for railcar cargo tanks to the requirements specified in paragraph (a) above, the permittee may comply with the requirements specified in 40 CFR § 63.422(e).

 # 021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.502(e)-(j).]

(a) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

(1) The permittee shall obtain the vapor tightness documentation described in 40 CFR § 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.

(2) The permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.

(3)

(i) The permittee shall cross-check each tank identification number obtained in paragraph (a)(2) of this condition with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained:

(A) If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

(B) If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.

(ii) If either the quarterly or semiannual cross-check provided in paragraphs (a)(3)(i) (A) through (B) of this condition reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met.

(4) The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the facility within 1 week of the documentation cross-check in paragraph (a)(3) of this condition.

(5) The permittee shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that tank is obtained.

(6) Alternate procedures to those described in paragraphs (a)(1) through (5) of this condition for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Administrator.

(b) The permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

(c) The permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(d) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the

SECTION E. Source Group Restrictions.

delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR § 60.503(d).

(e) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).

(f) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

 # 022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Top loading shall not be performed through any truck hatch unless prior approval from the Department is granted.

 # 023 [25 Pa. Code §129.59]

Bulk gasoline terminals

A person may not cause or permit the loading of gasoline into a vehicular tank from a bulk gasoline terminal unless the gasoline loading racks are equipped with a loading arm with a vapor collection adaptor and pneumatic, hydraulic or other mechanical means to force a vapor-tight seal between the adaptor and the hatch of the tank. A means shall be provided to prevent gasoline drainage from the loading device when it is not connected to the hatch, and to accomplish complete drainage before the removal. When loading is effected through means other than hatches, loading and vapor lines shall be equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.

 # 024 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a matter that would result in uncontrolled evaporation to the atmosphere.

 # 025 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

The permittee may not permit the transfer of gasoline between the tank truck or trailer and a stationary storage tank unless the following conditions are met:

(a) the vapor balance system is in good working order and is designed and operated in a manner that prevents:

(1) Gauge pressure from exceeding 18 inches of H2O (4500 pascals) and vacuum from exceeding 6 inches of water (1500 pascals) in the gasoline tank truck;
(2) A reading equal to or greater than 100% of the lower explosive limit--LEL, measured as propane--at 1 inch from points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code § 139.14 (relating to emissions of volatile organic compounds) during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals; and
(3) Avoidable liquid leaks during loading or unloading operations at bulk terminals.

(b) a truck, vapor balance system or vapor disposal system, if applicable, that exceeds the limits in paragraph (1) is repaired and retested within 15 days;

(c) there are no visually- or audibly-detectable leaks in the tank truck's or trailer's pressure/vacuum relief valves and hatch covers, the truck tanks or storage tanks, or associated vapor and liquid lines during loading or unloading; and

(d) the pressure and vacuum relief valves on storage vessels and tank trucks or trailers are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest 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. Upon demonstration by the permittee of an underground small gasoline storage tank that the vapor balance system specified in (a), above, will achieve a 90% vapor recovery efficiency without a pressure and vacuum relief valve and that an interlock system, sufficient to ensure connection of the vapor recovery line prior to delivery of the gasoline, will be used--no pressure and vacuum relief valve is required. The vacuum setting on the pressure and vacuum relief valve on an underground storage tank may be set at the lowest vacuum setting which is sufficient to keep the vent closed at zero pressure and vacuum.

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 # 026 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

The permittee may not allow a gasoline tank truck to be filled or emptied unless the gasoline tank truck:

(a) has been tested by the owner or operator within the immediately preceding 12 months in accordance with 25 Pa. Code §139.14;

(b) sustains a pressure change of no more than 750 pascals (3 inches of H2O) in 5 minutes when pressurized to a gauge pressure of 18 inches of H2O (4,500 pascals) or evacuated to a gauge pressure of 6 inches of H2O (1,500 pascals) during the testing required in (a), above;

(c) is repaired by the owner or operator and retested within 15 days of testing if it does not meet the criteria in (b), above; and

(d) displays a clear marking near the Department of Transportation Certification plate required by 49 CFR § 178.340-10b (relating to certification), which shows the most recent date upon which the gasoline tank truck passed the test required under 25 Pa. Code § 129.62.

(e) gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION E. Source Group Restrictions.

Group Name: STORAGE TANKS

Group Description: Storage Tanks shared requirements

Sources included in this group

ID	Name
120	TANK 101 INT FLOAT 4.75 MBBL
124	TANK 169 INT FLOAT 5 MBBL
205	TANK 254 INT FLOAT 12.8 MBBL
206	TANK 269 INT FLOAT 13.0 MBBL
218	TANK 166 INT FLOAT 4.75 MBBL
220	TANK 255 INT FLOAT 15.0 MBBL
222	TANK 167 INT FLOAT 10.0 MBBL
300	MISCELLANEOUS TANKS
349	TANK F-23 INT FLOAT 1.2 MBBL
350	TANK F3 CONE ROOF 0.71 MBBL
351	TANK F4 CONE ROOF 0.48 MBBL

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Facility-wide VOC emissions from the storage tanks identified under this source group shall not exceed 7.54 tons per year, based on a 12-month rolling sum.

Fuel Restriction(s).

 # 002 [25 Pa. Code §129.56]

Storage tanks greater than 40,000 gallons capacity containing VOCs

The permittee may not store volatile organic compounds that have a vapor pressure of 11 psia or greater under actual storage conditions in this source.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 40 CFR § 60.112b(a).]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Sufficient monitoring shall be performed on a monthly and 12-month rolling basis to demonstrate compliance with the emission limitations for each storage tank.

IV. RECORDKEEPING REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.56(f)(3).]

The following records shall be maintained for each storage tank:

(a) Throughput amount, and type, on a monthly basis.
(b) The maximum true vapor pressure of the liquid, as stored.
(c) Inspection results.

SECTION E. Source Group Restrictions.

(d) An estimate of the VOC emissions monthly and a rolling 12 consecutive month total.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Reporting and recordkeeping requirements.

For each storage vessel under this source group, the permittee shall keep records and furnish reports as required by paragraphs (a), (b), or (c) of this condition depending upon the control equipment installed to meet the requirements of 40 CFR § 60.112b. The permittee shall keep copies of all reports and records required by this condition for at least 2 years. The record required by paragraph (c)(1) shall be kept for the life of the control equipment.

(a) For storage vessels with a fixed roof and internal floating roof, the permittee shall meet the following requirements:

(1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR § 60.112b(a)(1) and § 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR § 60.7(a)(3).

(2) Keep a record of each inspection performed as required by 40 CFR § 60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

(3) If any of the conditions described in 40 CFR § 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR § 60.113b(a)(2), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

(4) After each inspection required by 40 CFR § 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in § 60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR § 60.112b(a)(1) or § 60.113b(a)(3) and list each repair made.

(b) N/A.

(c) For storage vessels with a closed vent system and control device other than a flare, the permittee shall keep the following records:

(1) A copy of the operating plan.

(2) A record of the measured values of the parameters monitored in accordance with 40 CFR § 60.113b(c)(2).

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Monitoring of operations.

(a) The permittee shall keep copies of all records required by this condition, except for the record required by paragraph (b) of this condition, for at least 2 years. The record required by paragraph (b) of this condition will be kept for the life of the source.

(b) For each storage vessel with a capacity greater than or equal to 75 cubic meters (m3) that is used to store volatile organic liquids (VOL), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

(c) For each storage vessel either with a design capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa, or with a design capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa, the permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective

SECTION E. Source Group Restrictions.

storage period.

V. REPORTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall immediately notify the Department of any malfunction of or damage to, the storage tanks or associated internal floating roof which results in, or may possibly be resulting in, an increase in the emission of gasoline vapors from the tank.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall submit copies of all requests, reports, applications, submittals and other communications to both the EPA and the Department. The EPA submittals shall be forwarded to:

United States Environmental Protection Agency
Region III, Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall immediately notify the Department of any malfunction of the source or any associated air cleaning device(s) which result in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection.

 # 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall notify the Department and EPA, as appropriate, of changes in the products stored in a tank and describe how the change affects applicable requirements and how those applicable requirements are being met. In accordance with 25 Pa. Code §127.14(c), this notice shall be provided seven (7) days prior to a change that involves no equipment changes or fifteen (15) days prior to a change that involves equipment changes.

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.

For each storage vessel either with a design capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure that is normally less than 5.2 kPa, or with a design capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure that is normally less than 27.6 kPa, the permittee shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor vapor pressure values for each volume range.

VI. WORK PRACTICE REQUIREMENTS.

 # 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).

(a) The permittee shall equip each storage vessel with one of the following:

(1) A fixed roof in combination with an internal floating roof meeting the following specifications:

(i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except

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during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

(A) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.

(B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(C) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

(iii) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(iv) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(v) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

(2) N/A.

(3) A closed vent system and control device meeting the following specifications:

(i) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in Part 60, Subpart VV, § 60.485(b).

(ii) The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements (§ 60.18) of the General Provisions.

(4) A system equivalent to those described in paragraphs (a)(1), (a)(2), or (a)(3) of this condition as provided in § 60.114b of this subpart.

[Compliance with the requirement in this streamlined permit condition assures compliance with the provisions found in 25

SECTION E. Source Group Restrictions.

Pa. Code § 129.56(a)(2), (c), and (e).]

 # 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Testing and procedures.

For each storage vessel under this source group, the permittee shall meet the requirements of paragraph (a), (b), or (c) of this condition. The applicable paragraph for a particular storage vessel depends on the control equipment installed to meet the requirements of 40 CFR § 60.112b.

(a) For storage vessels with a permanently affixed roof and internal floating roof, the permittee shall:

(1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

(2) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in 40 CFR § 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(3) For vessels equipped with a double-seal system as specified in 40 CFR § 60.112b(a)(1)(ii)(B):

(i) Visually inspect the vessel as specified in paragraph (a)(4) of this condition at least every 5 years; or

(ii) Visually inspect the vessel as specified in paragraph (a)(2) of this condition.

(4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (a)(2) and (a)(3)(ii) of this condition and at intervals no greater than 5 years in the case of vessels specified in paragraph (a)(3)(i) of this condition.

(5) Notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of this condition to afford the Administrator the opportunity to have an observer present. If the inspection required by paragraph (a)(4) of this condition is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

(b) N/A.

(c) For each storage vessel that is equipped with a closed vent system and control device as specified in 40 §

SECTION E. Source Group Restrictions.

60.112b(a)(3) or (b)(2) (other than a flare) is exempt from 40 CFR § 60.8 of the General Provisions and shall meet the following requirements:

(1) Submit for approval by the Administrator as an attachment to the notification required by 40 CFR § 60.7(a)(1) or, if the facility is exempt from 40 CFR § 60.7(a)(1), as an attachment to the notification required by 40 CFR § 60.7(a)(2), an operating plan containing the information listed below.

(i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions. This documentation is to include a description of the gas stream which enters 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. If the control device or the closed vent capture system receives vapors, gases, or liquids other than fuels from sources that are not designated sources under this subpart, the efficiency demonstration is to include consideration of all vapors, gases, and liquids received by the closed vent capture system and control device. If an enclosed combustion device with a minimum residence time of 0.75 seconds and a minimum temperature of 816 °C is used to meet the 95 percent requirement, documentation that those conditions will exist is sufficient to meet the requirements of this paragraph.

(ii) A description of the parameter or parameters to be monitored to ensure that the control device will be operated in conformance with its design and an explanation of the criteria used for selection of that parameter (or parameters).

(2) Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (c)(1) of this condition, unless the plan was modified by the Administrator during the review process. In this case, the modified plan applies.

[Compliance with the requirement in paragraph (a)(2) of this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 129.56(f)(1) and (h).]

 # 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Monitoring of operations.

Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.

(1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

(2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:

(i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see § 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

(ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

(3) For other liquids, the vapor pressure:

(i) May be obtained from standard reference texts, or

(ii) Determined by ASTM D2879–83, 96, or 97 (incorporated by reference—see § 60.17); or

SECTION E. Source Group Restrictions.

(iii) Measured by an appropriate method approved by the Administrator; or

(iv) Calculated by an appropriate method approved by the Administrator.

[Compliance with the requirement in paragraph (1) of this streamlined permit condition assures compliance with the provisions found in 25 Pa. Code § 129.56(g).]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description

117 CAM II LOADING RACK

Emission Limit			Pollutant
2.230	Tons/Yr	Combined loading racks limit, based as a 12-month rolling sum	VOC
10.000	mg//L	of gasoline loaded	VOC

119 9TH & GREEN LOADING RACK

Emission Limit			Pollutant
2.230	Tons/Yr	Combined loading racks limit, based as a 12-month rolling sum	VOC
10.000	mg//L	of gasoline loaded	VOC

120 TANK 101 INT FLOAT 4.75 MBBL

Emission Limit			Pollutant
1.280	Tons/Yr		VOC
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

124 TANK 169 INT FLOAT 5 MBBL

Emission Limit			Pollutant
0.060	Lbs/Yr	Benzene	Benzene
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC
29.000	Lbs/Yr		VOC

205 TANK 254 INT FLOAT 12.8 MBBL

Emission Limit			Pollutant
6.730	Tons/Yr	Group limit (2 tanks)	VOC
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

206 TANK 269 INT FLOAT 13.0 MBBL

Emission Limit			Pollutant
6.730	Tons/Yr	Group limit (2 tanks)	VOC
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

218 TANK 166 INT FLOAT 4.75 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC
27.990	Lbs/Yr		VOC

220 TANK 255 INT FLOAT 15.0 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

SECTION G. Emission Restriction Summary.

Source Id	Source Description

222 TANK 167 INT FLOAT 10.0 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

300 MISCELLANEOUS TANKS

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

349 TANK F-23 INT FLOAT 1.2 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC

350 TANK F3 CONE ROOF 0.71 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC
30.000	Lbs/Yr		VOC

351 TANK F4 CONE ROOF 0.48 MBBL

Emission Limit			Pollutant
7.540	Tons/Yr	Combined tanks limit, based on a 12-month rolling sum	VOC
25.000	Lbs/Yr		VOC

402 MAINTENANCE ACTIVITIES

Emission Limit			Pollutant
10.100	Tons/Yr	12-month rolling basis	VOC

Site Emission Restriction Summary

Emission Limit			Pollutant
24.900	Tons/Yr	12-month rolling basis	VOC
9.900	Tons/Yr	Individual HAP, 12-month rolling basis	Hazardous Air Pollutants
24.900	Tons/Yr	Total HAPs, 12-month rolling basis	Hazardous Air Pollutants

SECTION H. Miscellaneous.

The following activities occur at this facility, which do not require any monitoring, recordkeeping, or reporting requirements:

- Storage tanks that are not subject to other state of federal regualtions, as listed below:

A-10, stores fresh acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
A-11, stores fresh acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
A-12, stores spent acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
A-13, stores spent acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
A-15, stores fresh acid, 2,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-10, stores spent caustic, 13,440 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-27, stores fresh caustic, 12,390 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-33, stores spent caustic, 21,084 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-36, stores fresh caustic, 18,900 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-39, stores fresh caustic, 3,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-8, stores fresh caustic, 8,736 gal cap. (Ceased operation at refinery shutdown in December 2011)
S-9, stores fresh caustic, 8,736 gal cap. (Ceased operation at refinery shutdown in December 2011)
V-34, stores caustic, 17,052 gallon cap. (Ceased operation at refinery shutdown in December 2011)
Oily water storage tanks: 827, 829, 831, 832, 883, 891, and 897. (Ceased operation at refinery shutdown in December 2011)
Lube tanks: 860, 862, 864, 865, 866, 867, 869, 871, 873, 874, and 875. (Ceased operation at refinery shutdown in December 2011)
diesel storage tanks: 877 (252 gallon cap) and 879 (546 gallon cap). (Ceased operation at refinery shutdown in December 2011)
Additive storage: 900, 940, and 941. (Ceased operation at refinery shutdown in December 2011)
Water storage: T-101 (storm water), W-17 and W-24 (city water), W-26 (process water), W-27 (city water), 842, 843, and 844 (all brine (Ceased operation at refinery shutdown in December 2011)storage).

- Diesel powered fire water pumps. (Ceased operation at refinery shutdown in December 2011)
- Catalyst handling, transfer, and storage. (Ceased operation at refinery shutdown in December 2011)
- Routine maintenance and turnaround activities.
- Furnace de-coking. (Ceased operation at refinery shutdown in December 2011)

- Storage tanks with capacities smaller than 40,000 gallons that store organic materials with vapor pressures below 1.5 psia: 1, 53, 127, 128, 129, 887, and 899. (Ceased operation at refinery shutdown in December 2011)

- Tank truck loading of low vapor pressure materials such as lubricating oil & residual oil: includes LSC Lubricants at Second Street, lubricant loading at S-8 alleyway rack, lubricant loading at "B" pump house; and the bunker loading rack on Hewes Ave. (Ceased operation at refinery shutdown in December 2011)

- Railcar loading of low vapor pressure materials such as lubricating oil and residual oil: includes LSC lubricants loading and unloading at East lubricants loading rack, unloading at spur 39 (Sundex area), loading and unloading at the West lubricants rack. (Ceased operation at refinery shutdown in December 2011)

- General maintenance shops including; R & D mechanical shop, "A" group mechanical shop, "B" group mechanical shop, "C" group mechanical shop, & "D" group mechanical shop. (Ceased operation at refinery shutdown in December 2011)

- Marine vessel loading of materials with vapor pressures lower than 4.0 psia. (Ceased operation at refinery shutdown in December 2011)

- infrequent loading events at the 30 still.

The term "refinery gas" has been used throughout this permit. Refinery gas is the same as fuel gas as that term is described in 40 CFR Part 60 Subpart J.

The following permits and/or plan approvals have been incorporated into the Title V operating permit:
PA-23-0001D, PA-23-0001E, PA-23-0001F, PA-23-0001H, PA-23-0001J, PA-23-0001K, PA-23-0001L, PA-23-0001N, PA-23-0001O, OP-23-0001, and 23-312-217GP.

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November, 2003, APS - 346700, AUTH ID - 507623. The Department amended the Title V permit to incorporate the following plan approvals: PA-23-0001P and PA-23-0001R.

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November 2004. APS:346700 , AUTH ID: 560048. The Department amended the permit to address agreed upon changes to the permit (as listed below), and to address an administrative amendment application for the toluene loading rack (Source ID 609). The following permits have been added to the TVOP amendment: 23-312-188 and 23-312-203. The following RFD's have been submitted to, and finalized by, the Department since the Title V permit was originally issued: 23-A01-784 and 23-A01-747.

This amendment also addresses the following changes:

- Tanks 132 (Tank 242) and 137 (Tank 137) have been created and added to the permit.
- New recordkeeping requirements have been created for sources 040, 045, 046, 060, 075A, 078, 087, 088, 089, and 099 (Boilers and Heaters).
- Source 088 (Boiler 6). Typo corrected for Condition #011.
- Sources 104 and 105. Capacities for the two flares have been added to the permit.
- The typo in the cooling towers (source 111) has been corrected.
- Missing conditions were added for sources 115 (Marine Vessel Loading) and 401 (Benzene Barge Loading) from 40 CFR §§ 63.305(a)(3), (a)(5), and 61.302(f) and (g).
- Source 117 (Cam II Loading Rack). A new source (Source 119) was created and the two gasoline loading racks are now separate sources.
- Source 124 (Tank 169). New conditions were added to the permit.
- Source 171 has been removed from service and from the permit.
- Sources 185 (Tank 597), 205 (Tank 254), and 214 (Tank 615). The conditions for these sources have been clarified.
- Source 221 (Tank 23). New emission limit has been added.
- Source 245 (Tank 245). New conditions were added to the permit.
- Source 340 (Tank 340). This source was added to the permit.
- Source 349 (Tank F-23). Added new conditions from 40 CFR 63, Subpart CC, Group 1, and added to tanks group T001.
- Sources 350 (Tank F3) and 351 (Tank F4). Clarified several conditions for these two tanks.
- Source 401 (Benzene barge loading). Corrected the typos in this source.
- Source 609 (Organic Chemical Production). Added new requirement concerning maximum vapor pressure if 1.5 psia.
- Source 701(Wastewater treatment facility). Added conditions from 40 CFR, Subpart QQQ for the wastewater system.
- Section G. Removed all tanks from the miscellaneous section of the permit and created a source.
- T001. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T003. Added the following tanks/sources to this tank group: M01, F01, F02, F05, 367, 368, and 460,and source numbers 205, and 213.
- T004. Removed this tanks group from the permit.
- T006. Clarified the allowable seal types for this source group.
- T007. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T008. Created SOCMI Group 2 and added appropriate tanks.
- Source 214 (Tank 615). Clarified applicable requirements.
- Source 205 (Tank 254). Clarified applicable requirements.
- Source 127. Source removed from service and from permit.
- Source 146 (Tank 344). Clarified tank status.
- The following sources have been added to T001: 147, 148, 150, 155, 156, and 157.
- Sources 160, 161, 163, and 164 have been removed from service and the permit.
- Source 221 (Tank 23). Tank status changed from NSPS Kb to MACT Group 1 (T001).
- Sources 123 (Tank 131) and 130 (Tank 132) were added to the permit.
- Source 121 (tank 139). Tank status changed to MACT Group 1 (T001).
- Source 124 (Tank 169). This tank has an internal floating roof, but is also vented to the vapor recovery unit for the gasoline loading rack. The mapping has been changed, and the tank is now listed in T006.
- Source 368. Clarified that the diesel and gasoline tanks are subject to different requirements.
- Source 170 (Tank 452). Clarified the proper conditions.
- The following tanks have been moved to Source 300: 856, 861, and 863.
- The following storage tanks involved with the lube areas were removed from the facility (2003), and subsequently from this permit: 36, 37, 41, 43, 44, 45, 46, 47, 49, 50, 52, 59, 61, 68, 69, 70, 72, 73, 74, 81, 83, 180, 181, 183, 184, 190, 191, 192, 194, 198, 199, 400, 401, 402, 403, 404, 405, 406, 407, 409, 410, 411, 414, 415, 416, 445, and 448.
- Sources 221 (Tank 23), 172 (Tank 454), 188 (Tank 607), 192 (Tank 611), and 198 (Tank 619) now have a group emission limit, which has been added to the permit.
- Source 349 (Tank F-23): This source is newly added to the permit and is listed under T001.
- The following tanks have been removed from service at the refinery, and have been removed from the permit: 1, 151, 155, 157, 310, 312, 318, 326, 330, 495, 850, 851, and 853.
- Source 300. This source was created to address those previously insignificant tanks that were listed in the miscellaneous

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section of the permit.
- Source 124 (tank 169). New tank added to the permit.
- Source 218 (tank 166): New conditions were added to the source.

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January 2005, APS: 346700, AUTH ID: 577533. The Department amended this permit for cause to address EPA and Department approval of a waiver for the Benzene destruction for Source 115.

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November, 2005, APS: 346700, Auth ID: 574790. The Department amended this permit to address the following:
- Incorporate Plan Approval No. PA-23-0001S.
- Source 103 (Benzene Waste NESHAPs) has been added to the permit, and the relative conditions removed from the site level.
- Source 114 has been removed from the permit.
- Corrected typographical errors to sources 101, 800, 801, 802, and 803.
- Added Small NOx Budget regulations from 25 Pa. Code, Chapter 129, to Sources 101 and 113.

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April, 2006. APS: 346700, Auth: 619728. The Department amended this permit for cause to address the omission of several sources (623, 624, and 625) that were not carried over from the previously issued permit, creation of a new source (101A) - a pre-heater for the FCCU, and clarification that a group VOC emission limit (from PA-23-0001J) for 17 tanks does not apply as individual limits.

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November 2006. APS: 346700, AUTH: 647940. Minor Permit Amendment to incorporate conditions from the federal consent decree (05cv02866) for source 103 to address the installation of double carbon canisters. Sources 087, 088, 089, and 092 have been permanently shut down and have been removed from the permit. Sources 623, 624, and 625 have been removed as they are physically located in the state of Delaware.

Site condition #032, from the previous permit authorization has been deleted upon request by the permittee. An ERC application was submitted, then withdrawn and Sunoco was never eligible for the ERCs noted in this condition. GAE 12-8-2006.

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April 2007. APS: 346700, AUTH: 696829. Renewal of the Title V permit. The following changes are note at this time:
- It is noted here that this facility is subject to a waste water discharge permit, number 1OT-03-02.
- 30 Still (Semi Works). The refinery conducts infrequent loading events involving high octane, alkylate product. These events are infrequent and are considered an insignificant emission source.
- The following tanks have been closed in place, though they have not been removed from the facility: 19, 29, 30, 31, 32, 33, 54, 55, 426, 427, 428, 429, 433, 510, 888, and 889.
- Source 619 (17-2A Reformer) has been added to the operating permit.

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Janaury 2008. APS: 346700, AUTH: 702946. Administrative amendment to incorporate plan approval 23-0003W, for low sulfur gasoline, into the Title V permit. Sources added to the operating permit were: 705 and 706. A cooling tower (12-4 HDS Plant) from this plan approval was also added to Source 111.
- Additionally, the Department created some milestones for the FCCU (Source 101), as outlined in a letter dated 10-31-2007, from Dave Brown (DEP) to Steve Martini (Sunoco).

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November 2008. APS: 346700, AUTH: 696829. Administrative Amendment and permit renewal.
The facility has no sources subject to CAM. All possibly affected sources at the facility have been exempted from CAM as allowed under 40 CFR § 64.2(b).
- This renewal addresses an administrative amendment to incorporate plan approval, 23-0001X (for the FCCU and propane/propylene splitter) and the installation of an anhydrous ammonia injection system.
- The renewal/amendment corrected numerous typographical errors and clarifications to the tank capacities and throughputs, as well as changes made to Source 111 (Cooling Towers).
- Inclusion of the applicable parts of 40 CFR 63, Subpart GGGGG (Site Remediation MACT), is addressed in Section C of the permit.
- Changes to the conditions in Sources 117, and 119 (Loading Racks).
- Source 500 (Middle Creek Conveyence) has been removed from the operating permit and its conditions have been moved to source 701 (Wastewater Treatment System).
- Created Source, Number 619 (17-2A reformer), subject to 40 CFR 63, Subpart UUU.
- Source 101, FCCU. Removed a NOx emission limit of 0.0149 lbs NOx/barrel of crude oil. This limit was designed for refinery operation with one CO Boiler. After the second CO Boiler was installed, the limit became irrelevant as the flow from the FCCU to the CO Boilers cannot be directed to specific units.
- New federal regulation, 40 CFR 63, Subpart UUU - applies to Sources 101 and 619.
- Netting analysis that was erroneously carried through from plan approval 23-001K as an emission limit has been removed.

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- Reduction in a group VOC emission limit from plan approval 23-0001J. Some tanks were previously removed from the TVOP, but the emission limit did not reflect this change.
- Various CEMs conditions through out the operating permit changed to address new Central Office Guidance.
- Changed the semi-annual deviation and compliance certification reporting criteria.
- Removed an old ERC condition from Source 701 because it does not represent an accurate ERC picture.

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August 2009, APS 346700: AUTH: 786098. Two separate Department actions under one Administrative Amendment that addresses the following:
- incorporation of Plan Approval, Number 23-0001Z. The new sources are numbered 031, 032, 033, and 034. These boilers are exempted from CAM for NOx due to the use of CEMs for this air contaminant; and
- aggregated the cyclohexane and benzene throughput limitations and emission limit for source 609 to allow for operational flexibility in the production of these two chemicals.

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May 2010. APS: 346700, Auth 814674. Minor Operating Permit Modification to address the following:
- Incorportaion of applicable requirements from consent decree (5CV-02866) dealing with the NSPS, Subpart J regulation and the Alternative Monitoring Plan (AMP) for two flares (Sources 104 and 105).
- Changes to VOC emission limits due to heated storage tanks above ambient temperatures for the following source numbers: 172, 188, 192, 198, 221, 173, 193, 194, 203, 204, 205, 206, 212, 213, 214, 215, 223, 224, 225, 190, 197, 216, and 217.
- Clarification to the conditions pertaining to Department Certified CEMS (Sources 031, 032, 033, 034, 045, 060, 099, 101, 101A, 705, 706, and the Fuel Gas Mix Drum). These now refer to conditions located in Section C of the permit.
- Addition of two plant areas (10 and 12 plants) that were missing from the list of affected sources for the MACT LDAR requirements in Source 802.
- Address a change in federal regulations for Source 802. In the October 28, 2009 Federal Register (beginning on 74 FR 55656), it is noted that 40 CFR §§ 63.654 and 655 have been redesignated as 40 CFR §§ 63.655 and 656, respectively.

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March 2011. APS: 346700, AUTH: 869507. Administrative amendment to incorporate plan approval, number 23-0001AA into the TVOP. One cooling tower (12-3 Plant) was replaced with a same size/capacity cooling tower. This cooling tower, aloing with the others in this source (exceptions noted), is subject to the heat exchanger regulations found in 40 CFR 63, Subpart CC, when they become effective on October 28, 2012.

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July 2012. APS: 346700, AUTH: 934938. Administrative amendment to address a single source determination for Sunoco's Marcus Hook and Philadelphia refineries.

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August 2012. APS: 346700, AUTH: 938378. Administrative amendment to remove permitted sources from the TVOP and to memorialize the creation of ERCs as follows:
NOx - 406.60 tons
SO2 - 128.78 tons
VOC - 35.19 tons
CO - 564.71 tons
PM10 - 346.27 tons
PM2.5 - 346.27 tons
- Additionally, the Department has quantified the following actual emission from the Sunoco, Marcus Hook Refinery:
GHGs (CO2e) - 1,277,804.60 tons
Sulfuric Acid Mist ("SO3") as that term is used in the consent decree - 56.07 tons

- The above ERCs were generated from the permanent shutdown of the following sources: Source 040 (10-4 Feed Heater), Source 045 (12-3 Desulphurization Heater), Source 060 (15-1 Crude Heater), Source 075 (17-2A H-01, H-02, H-03 Heater), Source 078 (17-2A H-04 Heater), Source 099 (12-3 Crude Heater H-3006), Sources 101 and 101a (10-4 FCC Unit) and including CO Boilers (COB1 and COB3), Source 111 (Cooling towers), Source 705 (LSG HDS Heater), and Source 706 (LSG Stabilizer Heater). These sources shall not be started up without first obtaining a plan approval from the Department.
- Removal of source group conditions pertaining to the group NOx, SO2, and PM emission limits for three combustion turbines (owned and operated by Next Era, formerly FPL), four (4) auxiliary boilers, FCCU catalyst regenerator (Part of Source 101), CO Boilers COB1 and COB3, and the combustion turbine, MH50 (owned and operated by Next Era, formerly FPL).
- Creation of a new source (number 139) for the cooling towers which will remain in operation at this site.
- Clarification to the grab sample condition for the four (4) boilers that sampling and analysis only need to be performed when operating on RFG and/or RFG and natural gas.
- Removal of two (2) cooling towers (15-2S and 15-2Poly) that have been sold to Braskem America Inc., permit number 23-00012.

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June 2013. APS: 346700, AUTH: 979365. Permit amendment to address the disaggregation of this former Sunoco Marcus Hook

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refinery and the former Sunoco Philadelphia Refinery (now Philadelphia Energy Solutions) as it pertains to NSR and PSD applicability.
- Additional changes inlcude removal of several conditions that were overlooked at the last amendment when numerous sources were permanently shutdown.
- Removal of Source 619 (17-2A reformer) that was shutdown and the ERCs were generated in the August 2012 amendment, but was not removed from the TVOP.
- Change of SIC from 2911 to 4226.
- It is noted that the 12-3 crude vac heater H-301 was permanently shut down in March 2002. The Department verified that it was decommissioned during its December 2003 inspection.

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February 2014. APS: 346700, Auth: 978314. Renewal TVOP. Many of the sub-facilities physically located at this facility have been sold to Sunoco Logistics (TVOP permit number 23-00119) in April 2013 and those sub-facilities have been moved into the SXL permit.
- It is noted that Tank 254 (Source number 205) has been changed from fixed roof tank to an internal floating roof tank. This took place via general permit number GP2-23-0120, which the Department issued in December 2008, but was never noted as amended into the TVOP.
- Source 708 (Remediation Systems) has been removed as the facility is operating under a RCRA permit governing this activity.
- Numerous federal regulations found in 40 CFR 60, 61, and 63 no longer apply as the facility is no longer considered a petroleum refinery. These are described in the review memo.

- GP2-23-0230 was issued on 6-17-2015 as a new plan approval for an existing storage tank (source number 246) that was not addressed during the systematic shutdown of sources and did not have a valid deactivation and maintenance plan.

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March 2019. APS: 981823, Auth: 1253423. Permit Renewal. No new sources and no new applicable regulations pertain to this facility as this time.
The following changes to the operating permit have been made at this renewal:
- Change of facility name and plant;
- NAICS code changed to 324110;
- Mailing address changed;
- Incorporation of GP2-23-0230 for Source 206 (Tank 269);
- Removal of conditions pertaining to Department certified continuous emission monitors (CEMS);
- Removal of references to flares as there are no flares associated with this facility;
- Removed Tank 882 from Source 300 as it has been removed from the facility.

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January 2024. APS: 1077614, AUTH: 1420956. Initial State Only Operating Permit (Synthetic Minor).

- Facility-wide VOC and HAP emission limits have been established in Section C.
- The requirements of 40 CFR Part 63, Subpart R have been removed and the requirements 40 CFR Part 63, Subpart BBBBBB have been incorporated.
- The SIC code has been changed from 2911: Petroleum Refining, to 5171: Petroleum Bulk Stations & Terminals.
- The NAIC code has been changed from 324110: Petroleum Refining, to 424710: Petroleum Bulk Stations & Terminals.

****** End of Report ******