



State of New Jersey

Department of Environmental Protection

Air Quality, Energy and Sustainability

Division of Air Quality

Bureau of Stationary Sources

401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02

Trenton, NJ 08625-0420

PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

Lt. Governor

CATHERINE R. McCABE

Commissioner

Air Pollution Control Operating Permit Significant Modification

Permit Activity Number: BOP180002

Program Interest Number: 55829

Mailing Address	Plant Location
Steven Krynski Vice President/General Manager 800 Billingsport Rd Paulsboro, NJ 08066	PAULSBORO REFINING COMPANY LLC 800 Billingsport Rd Paulsboro Gloucester County

Initial Operating Permit Approval Date: February 11, 2001

Operating Permit Approval Date: June 26, 2018

Operating Permit Expiration Date: February 10, 2022

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the

Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: <http://www.nj.gov/dep/opra/online.html>. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at www.state.nj.us/dep/aqpp.

HELPLINE

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

COMPLIANCE ASSURANCE MONITORING

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: <https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring>. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

ADMINISTRATIVE HEARING REQUEST

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the enclosed Administrative Hearing Request Checklist and Tracking Form.

If you have any questions regarding this permit approval, please call Mubin Kathrada at (609) 633-1134.

Approved by:



Yogesh Doshi

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U900 Floating Roof Tnks storing VOC with VP <=13 psia at 70F (Subject to 40 CFR 63 Subparts CC & WW + NJAC 7:27-16)

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	U900 is subject to the following Federal Rules: 40 CFR 63 Subpart CC, 40 CFR 63 Subpart WW and 40 CFR 63 Subpart A. [None]	None.	None.	None.
2	See Table 6 of 40 CFR 63 Subpart CC for General Provisions applicable to Subpart CC. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Storage tank contents limited to petroleum hydrocarbon liquid, that is not a HAP as defined at 40 CFR 63.1(a)(2), with a vapor pressure <= 13.0 psia at 70F [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by certified lab analysis once for each petroleum hydrocarbon liquid (product code) stored in the tank.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system per change of material. Record the tank contents, vapor pressure, and date the tank contents (material) was replaced or material was added to the tank in a form readily available for inspection. [N.J.A.C. 7:27-22.16(o)]	None.
4	Permittee shall maintain a record of tank contents and throughput. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by tank gauging and/or metering per occurrence.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Permittee shall record the: i) Date of VOC transfer into the tank, ii) Name the VOC transferred, iii) Vapor pressure of the VOC at standard conditions, iv) Quantity (gal) of VOC transferred into the tank, and v) Total quantity transferred for the month. [N.J.A.C. 7:27-22.16(o)]	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	VOC (Total) <= 350 tons/yr. Annual emission limit for all tanks in U900. Includes emissions from tank storage, tank cleaning, roof landing, tank field dumping and source fugitive emissions. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations annually. Calculations of annual emissions shall be made as specified in EPA's AP-42 (Tanks 4.0 or subsequent versions) for the storage, tank cleaning, roof landing and tank field dumping of each storage tank. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Manually log the tons per year of emissions for each tank and the total for U900 in a permanently bound logbook or electronically (computer, DAS or electronic operating system). Copies of AP-42 calculations for each tank shall be maintained at the facility for five years. [N.J.A.C. 7:27-22.16(o)]	None.
6	Phenol <= 0.4 tons/yr. Annual emission limit for all tanks in U900. Includes emissions from tank storage, tank cleaning, roof landing, tank field dumping and source fugitive emissions. [N.J.A.C. 7:27-22.16(a)]	Phenol: Monitored by calculations annually. Calculations of annual emissions shall be made as specified in EPA's AP-42 (Tanks 4.0 or subsequent versions) for the storage, tank cleaning, roof landing and tank field dumping of each storage tank. [N.J.A.C. 7:27-22.16(o)]	Phenol: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Manually log the tons per year of emissions for each tank and the total for U900 in a permanently bound logbook or electronically (computer, DAS or electronic operating system). Copies of AP-42 calculations for each tank shall be maintained at the facility for five years. [N.J.A.C. 7:27-22.16(o)]	None.
7	Hydrogen sulfide <= 0.872 tons/yr. Annual emission limit for all tanks in U900. Includes emissions from tank storage, tank cleaning, roof landing, tank field dumping and source fugitive emissions. [N.J.A.C. 7:27-22.16(a)]	Hydrogen sulfide: Monitored by calculations annually. Calculations of annual emissions shall be made as specified in EPA's AP-42 (Tanks 4.0 or subsequent versions) for the storage, tank cleaning, roof landing and tank field dumping of each storage tank. [N.J.A.C. 7:27-22.16(o)]	Hydrogen sulfide: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Manually log the tons per year of emissions for each tank and the total for U900 in a permanently bound logbook or electronically (computer, DAS or electronic operating system). Copies of AP-42 calculations for each tank shall be maintained at the facility for five years. [N.J.A.C. 7:27-22.16(o)]	None.
8	Ammonia <= 0.872 tons/yr. Annual emission limit for all tanks in U900. Includes emissions from tank storage, tank cleaning, roof landing, tank field dumping and source fugitive emissions. [N.J.A.C. 7:27-22.16(a)]	Ammonia: Monitored by calculations annually. Calculations of annual emissions shall be made as specified in EPA's AP-42 (Tanks 4.0 or subsequent versions) for the storage, tank cleaning, roof landing and tank field dumping of each storage tank. [N.J.A.C. 7:27-22.16(o)]	Ammonia: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. Manually log the tons per year of emissions for each tank and the total for U900 in a permanently bound logbook or electronically (computer, DAS or electronic operating system). Copies of AP-42 calculations for each tank shall be maintained at the facility for five years. [N.J.A.C. 7:27-22.16(o)]	None.

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New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>External floating roof tanks in Range III that store any VOC with vapor pressure three pounds per square inch absolute or greater at standard conditions shall be equipped with a domed roof before the tank is refilled after the first time the tank is degassed after May 19, 2009, but no later than May 1, 2020.</p> <p>***This requirement was substituted by the state-only facility specific requirements pursuant to N.J.A.C. 7:27-16.17. The Permittee will need to submit an administrative amendment application to remove this requirement once the source specific SIP revision is approved by EPA*** [N.J.A.C. 7:27-16.2(1)4]</p>	None.	None.	None.
10	<p>As per Paulsboro Refining Company's Alternative VOC control Plan, the following external floating roof storage tanks storing material greater than 3.0 pounds per square inch shall be taken out of service for doming per the dates specified below: Tank 724 (E102) - 12/31/2014 Tank 2173 (E194) - 12/31/2019 Tank 1063 (E128) - 12/31/2021 Tank 1064 (E129) - 12/31/2018 Tank 1065 (E130) - 12/31/2026 Tank 1066 (E131) - 12/31/2028 Tank 1115 (E132) - 12/31/2017 Tank 1116 (E133) - 12/31/2023 Tank 1319 (E141) - 12/31/2014 Tank 1320 (E142) - 12/31/2025</p> <p>***This is a state-only facility specific applicable requirement pursuant to N.J.A.C.7:27-16.17. This requirement becomes federally enforceable upon the effective date of EPA's approval on NJDEP's source specific SIP revision as published in the Federal Register*** [N.J.A.C. 7:27-22.16(a)]</p>	None.	None.	None.

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**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The Alternative VOC Control Plan requirements will expire in ten years from the date of approval of modification BOP130002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit a plan: As per the approved schedule. The permittee shall submit a new Alternative VOC Control Plan application at least one year prior to the expiration of the existing Alternative VOC Control Plan requirements. [N.J.A.C. 7:27-22.16(o)]
12	<p>As per Paulsboro's Alternative VOC Control Plan application, the following tanks storing materials greater than 3.0 pounds per square inch are exempt from doming requirement of N.J.A.C. 7:27-16.2(1)4:</p> <p>Tank 725 (E103) Tank 802 (E107) Tank 1023 (E122) Tank 1027 (E125) Tank 2869 (E217) Tank 2940 (E220) Tank 2941 (E221) Tank 3174 (E230) Tank S-80 (E291) Tank S-81 (E292) Tank S-82 (E293)</p> <p>***This is a state-only facility specific applicable requirement pursuant to N.J.A.C.7:27-16.17. This requirement becomes federally enforceable upon the effective date of EPA's approval on NJDEP's source specific SIP revision as published in the Federal Register*** [N.J.A.C. 7:27-22.16(a)]</p>	None.	None.	None.