

West Virginia Department of Environmental Protection

Division of Air Quality

*Earl Ray Tomblin
Governor*

*Randy C. Huffman
Cabinet Secretary*

Class I Administrative Update Permit



R13-1999F

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

Marathon Petroleum Company

Charleston

039-00009

A blue ink signature of William F. Durham, written in a cursive style, positioned above a horizontal line.

*William F. Durham
Director*

Issued: April 2, 2015 • Effective: April 2, 2015

This permit will supercede and replace Permit R13-1999E.

Facility Location: Charleston, Kanawha County, West Virginia

Mailing Address: 539 South Main Street; Findlay, OH 45840

Facility Description: Bulk Petroleum Terminal

NAICS Codes: 424710 - Petroleum Bulk Stations and Terminals

UTM Coordinates: 579.50 km Easting • 4231.17 km Northing • Zone 17

Permit Type: Class I Administrative Update

Description of Change:

Permit revised to broaden the tank content descriptions to include “fuel ethanol” instead of just “gasoline” for the following tanks:

<u>MPC ID</u>	<u>Emission Unit ID</u>	<u>Emission Point ID</u>
40-1	A-1	013
48-2	A-2	07
12-30	A-30	04
16-31	A-31	014

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

Table of Contents

1.0.	Emission Units	3
2.0.	General Conditions	5
2.1.	Definitions	5
2.2.	Acronyms	5
2.3.	Authority	6
2.4.	Term and Renewal	6
2.5.	Duty to Comply	6
2.6.	Duty to Provide Information	6
2.7.	Duty to Supplement and Correct Information	7
2.8.	Administrative Permit Update	7
2.9.	Permit Modification	7
2.10.	Major Permit Modification	7
2.11.	Inspection and Entry	7
2.12.	Emergency	7
2.13.	Need to Halt or Reduce Activity Not a Defense	8
2.14.	Suspension of Activities	8
2.15.	Property Rights	8
2.16.	Severability	9
2.17.	Transferability	9
2.18.	Notification Requirements	9
2.19.	Credible Evidence	9
3.0.	Facility-Wide Requirements	10
3.1.	Limitations and Standards	10
3.2.	Monitoring Requirements	10
3.3.	Testing Requirements	10
3.4.	Recordkeeping Requirements	12
3.5.	Reporting Requirements	12
4.0.	Source-Specific Requirements	14
4.1.	Limitations and Standards	14
4.2.	Monitoring Requirements	19
4.3.	Testing Requirements	19
4.4.	Recordkeeping Requirements	19
4.5.	Reporting Requirements	20
APPENDIX A		21
CERTIFICATION OF DATA ACCURACY		22

1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
A-1 (MPC ID 40-1)	013	Tank A-1 (Internal Floating Roof)	1980	1,830,940 gal	n/a
A-2 (MPC ID 48-2)	07	Tank D-2 (Internal Floating Roof)	1980	2,066,610 gal	n/a
A-30 (MPC ID 12-30)	04	Tank A-30 (Internal Floating Roof)	1980	521,119 gal	n/a
A-31 (MPC ID 16-31)	014	Tank A-31 (Internal Floating Roof)	1980	678,586 gal	n/a
A-6	05	Interface Tank A-6	1980	19,748 gal	n/a
A-32	015	Tank A-32	1980	279,441 gal	n/a
A-35	02	Tank A-35	1960	423,755 gal	n/a
A-36	016	Tank A-36	1960	170,203 gal	n/a
A-40	01	Tank A-40	1982	1,271,967 gal	n/a
A-41	017	Tank A-41	1980	10,353 gal	n/a
A-2061	06	Tank A-2061	1980	10,353 gal	n/a
A-2064	018	Tank A-2064	1980	10,353 gal	n/a
TBN-1	n/a	TBN-1	--	10,353 gal	n/a
TBN-2	n/a	TBN-2	--	10,353 gal	n/a
Vapor Recovery Unit/ Loading	011	Vapor Recovery Unit / Loading	1996	--	Carbon Adsorption
Fugitives	012	Fugitives	n/a	n/a	n/a
Miscellaneous	n/a	Underground Storage Tank B-2	--	--	n/a
Miscellaneous	n/a	Underground Storage Tank B-4	--	--	n/a
Miscellaneous	n/a	Oil/Water Separator (OWS)	--	--	n/a
Miscellaneous	n/a	Oil Handling	--	--	n/a

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5µm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM₁₀	Particulate Matter less than 10µm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	pph	Pounds per Hour
DAQ	Division of Air Quality	ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per million by volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-1999E. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-1999F, R13-1999E, R13-1999D, R13-1999C, R13-1999B, R13-1999A, R13-1999, R13-0887, R13-1371, and R13-1444 and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission

limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are not met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

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

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. [45CSR§13-10.1]

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in

this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
 1. The permit or rule evaluated, with the citation number and language;
 2. The result of the test for each permit or rule condition; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.
- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Enforcement and Permits Review
(3AP12)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. Operating Fee.

- 3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. Total yearly throughput for the storage tanks shall not exceed the following volumes in any calendar year. For the purposes of this permit, a calendar year is defined as beginning on January 1 and ending on December 31.

MATERIAL	TANK NO.	TANK CAPACITY (Gallons)	THROUGHPUT (Gal/Yr)
Conventional / Motor Gasoline/ Fuel Ethanol	A-1	1,830,940	335,000,000
	A-2	2,066,610	
	A-30	521,119	
	A-31	678,586	
Off-Specification Gasoline	A-6	19,748	480,000
Aviation Gasoline	A-32	279,441	15,000,000
Distillate	A-35	423,755	400,000,000
	A-36	170,203	
	A-40	1,271,967	
Additive	A-41 (Horizontal)	10,353	450,000
	A-2061	10,353	
	A-2064	10,353	
	TBN-1 (1)	10,353	
	TBN-2 (1)	10,353	
(1) TBN-1 and TBN-2 to be constructed. TBN stands for To Be Named.			

4.1.2. The Leak Detection Program as outlined in Appendix IV of permit application R13-1999 and Attachment K of permit application R13-1999E shall be adhered to.

4.1.3. The Accident Procedures as outlined in Appendix V of permit application R13-1999 shall be adhered to.

4.1.4. The Spill Prevention Control and Countermeasure Plan as outlined in Appendix V of permit

application no. R13-1999 shall be adhered to.

4.1.5. Maximum fill rates for the associated tanks shall not exceed the following rates at any time:

MATERIAL	TANK NO.	FILL RATE (Gal/Min)
Conventional / Motor Gasoline/ Fuel Ethanol	A-1	3,150
	A-2	3,150
	A-30	3,150
	A-31	3,150
Off-Specification Gasoline	A-6 (Interface Tank)	333
Aviation Gasoline	A-32	3,150
Distillate	A-35	3,150
	A-36	3,150
	A-40	3,150
Additive	A-41 (Horizontal)	167
	A-2061	167
	A-2064	120
	TBN-1	167
	TBN-2	167

4.1.6. The following VOC emissions limitations and applicable requirements shall be adhered to:

Type of Operation	MATERIAL	EQUIPMENT ID	EMISSION POINT ID	CONTROL DEVICE/ APPLICABLE REQUIREMENT	VOC EMISSIONS	
					pph	tpy
Storage/ Working and Breathing Losses	Conventional Motor Gasoline/ Fuel Ethanol	A-1	013	45CSR21 Sect. 28	1.68	7.37
		A-2	07	45CSR21 Sect. 28		
		A-30	04	45CSR21 Sect. 28		
		A-31	014	45CSR21 Sect. 28		

	Off-Specification Gasoline	A-6 (Interface Tank)	05	Not Applicable	0.41	1.80
	Aviation Gasoline	A-32	015	45CSR21 Sect. 28	0.25	1.10
	Distillate	A-35	02	Not Applicable	0.34	1.50
		A-36	016	Not Applicable		
		A-40	01	Not Applicable		
	Additive	A-41 (Horizontal)	017	Not Applicable	0.57	2.48
		A-2061	06	Not Applicable		
		A-2064	018	Not Applicable		
		TBN-1 (3)	No Number Assigned	Not Applicable		
		TBN-2 (3)	No Number Assigned	Not Applicable		
Vapor Recovery Unit/Loading	Conventional Gasoline, Aviation Gasoline, Distillate, and Additive	Vapor Recovery Unit/Loading	011	Carbon Adsorption	16.65	72.93
Fugitive Emissions			012	Not Applicable	0.56	2.44
Miscellaneous	Conventional Gasoline, Off-Specification Gasoline, and Oil	Miscellaneous (2)	No Numbers Assigned	Not Applicable	0.45	1.97
TOTAL					20.91	91.60

- (1) Hourly emission rate calculated by dividing annual emission rate by 8760hr/yr.
- (2) Miscellaneous is made up of the following emissions: 3,411 lb/yr - Uncontrolled Loading from Interface Tank; 283 lb/yr - Unground Storage Tank B-2; 141lb/yr - Unground Storage Tank B-4; 70 lb/hr - Oil Water Separator (OWS); 44 lb/yr - Oil Handling.
- (3) TBN-1 and TBN-2 to be constructed. TBN stands for To Be Named.

- 4.1.7. The permitted facility shall comply with all applicable provisions of 40CFR60 Subpart XX, "Standards of Performance for Bulk Gasoline Terminals," provided that compliance with any more stringent limitation set forth under Paragraph (A) of this permit shall also be demonstrated. [45CSR 16; 40CFR60, Subpart XX (§60.500)]
- 4.1.8. The permitted facility shall comply with all applicable requirements of 45CSR21. The principal provisions of 45CSR21 applicable to the permitted facility are as follows:

- a. §45-21-22.2.a.
Each loading rack at a bulk gasoline terminal shall be equipped with a vapor collection system designed to collect the total volatile organic compound (VOC) vapors displaced from tank trucks during product loading.
- b. §45-21-22.2.b.
Each vapor collection system shall be designed to prevent any VOC vapors collected at one loading rack from passing to another loading rack.
- c. §45-21-22.2.c.
Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the procedures as outlined in 45CSR21 section 22.c.
- d. §45-21-22.2.d.
The terminal owner or operator shall act to ensure that loadings of gasoline tank trucks at the bulk gasoline terminal loading rack are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
- e. §45-21-22.2.e.
The terminal owner or operator shall act to ensure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the bulk gasoline terminal loading racks.
- f. §45-21-22.2.f.
The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 Pascals (Pa) (450 millimeters [mm] of water) during product loading. This level is not to be exceeded when measured by the procedures specified in section 22.3.a of 45CSR22.
- g. §45-21-22.2.h.
Each calendar month, the vapor collection system, the vapor control 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. 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.
- h. §45-21-22.2.i.
The total organic compounds emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks shall not exceed 80 milligrams per liter (mg/L) (4.7 grains per gallon [grain/gal]) of gasoline loaded.
- i. §45-21-22.2.j.
Loading of outgoing gasoline tank trucks shall be restricted to the use of submerged fill.
- j. Test methods and procedures shall be followed according to 45CSR22 section 22.3.
- k. The owner or operator of the permitted facility shall maintain the following records, referenced in 45CSR21 Section 22.4., on-site for at least five (5) years and shall make these records available

to the Director or other authorized representative upon verbal or written request.

a. §45-21-22.4.a.

The tank truck vapor tightness documentation required under section 22.2.c. of 45CSR21 shall be kept on file at the terminal in a permanent form available for inspection.

b. §45-21-22.4.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 of 40 CFR Part 60, Appendix A. This documentation shall include, as a minimum, the following information:

- A. Test title: Gasoline Delivery Tank Pressure Test--EPA Reference Method 27;
- B. Tank owner and address;
- C. Tank identification number;
- D. Testing location;
- E. Date of test;
- F. Tester name and signature;
- G. Witnessing inspector, if any: Name, signature, and affiliation; and
- H. Test results: Actual pressure change in 5 min, mm of water (average for two runs).

c. §45-21-22.4.c.

A record of each monthly leak inspection required under section 22.2.h. of 45CSR21 shall be kept on file at the terminal. Inspection records shall include, as a minimum, the following information:

- A. Date of inspection;
- B. Findings (may indicate no leaks discovered or location, nature, and severity of each leak);
- C. Leak determination method;
- D. Corrective action (date each leak repaired, reasons for any repair interval in excess of 15 days); and
- E. Inspector name and signature.

d. §45-21-22.4.d.

The terminal owner or operator shall keep documentation of all notifications required under section 22.2.c.D. of 45CSR21 on file at the terminal.

e. §45-21-22.4.e.
Daily records shall be maintained of gasoline throughput.

- l. The permitted facility shall comply with the requirements in section 5 of 45CSR21 (Compliance Certification, Recordkeeping, and Reporting Requirements for Non-Coating Sources).
- m. The permitted facility shall comply with the requirements in section 24 of 45CSR21 (Leaks from Gasoline Tank Trucks).
- n. The permitted facility shall comply with the requirements in section 27 of 45CSR21 (Petroleum Liquid Storage in External Floating Roof Tanks).
- o. The permitted facility shall comply with the requirements in section 28 of 45CSR21 (Petroleum Liquid Storage in Fixed Roof Tanks).

4.1.9. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.2. Monitoring Requirements

4.2.1. *Reserved*

4.3. Testing Requirements

4.3.1. *Reserved*

4.4. Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
- a. The date, place as defined in this permit and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.

- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
 - f. Steps taken to correct the malfunction.
 - g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.
- 4.4.4. The permittee shall maintain a certified record of the throughput of each tank for which throughput limits are established in section 4.1.1 of this permit. This record, per Appendix A to this permit, shall be maintained on site for a period not less than five (5) years and certified by a Responsible Official. This data shall be submitted to the Director or other representative of the Division of Air Quality upon request.

4.5. Reporting Requirements

- 4.5.1. *Reserved*

APPENDIX A
Marathon Petroleum Company
Charleston Facility
R13-1999E
Plant ID No.: 0390009

YEARLY THROUGHPUT

Material:

Year:

Month	Tank ID: ____	Cumulative (gal)	Initials				
	Throughput (gal)						
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							

TOTAL THROUGHPUT:

ALLOWABLE ANNUAL THROUGHPUT:

DIFFERENCE:

- 1 **The CERTIFICATION OF DATA ACCURACY statement appearing on the reverse side must be completed within fifteen (15) days of the end of the reporting period.**
- 2 **This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Director or his/her authorized representative.**

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature¹ _____
(please use blue ink) Responsible Official or Authorized Representative Date

Name and Title _____
(please print or type) Name Title

Telephone No. _____ Fax No. _____

- ¹ This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:
- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
 - (ii) the delegation of authority to such representative is approved in advance by the Director;
 - b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
 - c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or
 - d. The designated representative delegated with such authority and approved in advance by the Director.