BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

# State of Louisiana

## DEPARTMENT OF ENVIRONMENTAL QUALITY
## ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 3165
Activity No.: PER20080033

Mr. Richard D. Bedell
Manager, Louisiana Refining Division
Marathon Petroleum Company LLC
P. O. Box AC
Garyville, Louisiana 70051

RE: Part 70 Operating Permit Modification, Louisiana Refining Division, Garyville Refinery, Marathon Petroleum Company LLC, Garyville, St. John the Baptist Parish, Louisiana

Dear Mr. Bedell:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the_____ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this ___ day of _____, 2010.

Permit No.: 2580-00013-V0

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

SGQ
c: US EPA Region VI

# PUBLIC NOTICE
# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
# MARATHON PETROLEUM COMPANY, LLC (MPC)
# LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
# PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL/MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit renewal/modification for Marathon Petroleum Company, LLC, P. O. Box AC, Garyville, LA 70051 for the Louisiana Refining Division - Garyville Refinery. **The facility is located at 4663 West Airline Highway, Garyville, St. John the Baptist Parish.**

Marathon Petroleum Company, LLC (MPC) is a highly automated petroleum refinery with an overall capacity to convert approximately 495,000 barrels of crude oil per day (annual average) into finished products of which GME Project contributes 250,000 barrels of crude oil per day (annual average).

Refining operations typically involve storage, separation, conversion, and blending. The following is a brief description of manufacturing process units at MPC's Louisiana Refining Division requested.

MPC is proposing to incorporate all the current permits (Permit Nos. 2640-V6, 2887-V7, 2891-V7 and 2893-V11) for the facility except the Garyville Major Expansion permit (Permit No. 3039-V6) into one Part 70 Operating permit (Permit No. 2580-00013-V0). Also, incorporate previously approved minor modifications, reconciliations, approved Case by Case Insignificant Activities, updated fugitive components based on an on going audit, update the equipment and emissions based on better reflection of operations (splitting emission point, modify facility CAPs, change hours of operations, reconcile emissions, update loading emissions, etc.). The following are the changes in some details and are not all inclusive:

1. Split Sulfur Plant No. 1&2 Sulfur Pit into two emission points; Sulfur Pit Unit 20, Emission Point 51-74 and Sulfur Pit Unit 34, Emission Point 92-74. Emission Point 92-74 is added as a new emission point and permitted under a cap, Emission Point 25-08;
2. Delete API Separator, Emission Point 53-74, and Wastewater Storage Tank, Emission Point 15-97, as the emissions were incorporated in Wastewater Collection/Treatment (Trains 1-5), Emission Point 30-08;
3. Delete Cooling Water Towers, Emission Point 61-74, as the cooling towers are permitted individually, Emission Points 61A-74 thru 61D-74;
4. The emissions from Butane Storage Tanks, Emission Point 1-88 and 2-88, are routed to the Flare Station, Emission Point 3-88. The efficiency of the flare has been changed from 99% to 98%;
5. Marine Loading Vapor Combustor, Emission Point 107-90, operating hours changed from 1,776 to 8760 hours per year;
6. Sulfur Plant Storage Tank, Emission Point 122-91, removed from the inventory;
7. Incorporated the asphalt loading into Marine/Barge Loading Operations (Uncontrolled), Emission Point 134-96;
8. Emissions from Propylene/Propane/Butane Loading/Unloading Rack, Emission Point 14-97, emissions have been changed based on decrease potential to emit (PTE) and the efficiency of the North Flare, Emission Point 83-74, was changed from 99% to 98%;
9. Renamed Sulfur Plant No. 3 Storage Pit, Emission Point 13-00, as Sulfur Pit Unit 45;
10. Renamed Sulfur Plant Storage Tank, Emission Point 1-06, as Sulfur Plant Storage Tank (44-1904);
11. Renamed sulfur pits and sulfur storage tanks based on their relative units;

12. Incorporated the emissions from Sulfur Truck/Asphalt Truck/Railcar Loading, Emission Point TV-10, into Sulfur Truck Loading;
13. Incorporated the emissions from Turnaround – Diesel Fired Equipment, emission Point TV-13, into Routine Maintenance and Turnaround – Diesel Fired Equipment, Emission Point TV-12;
14. Platformer Regenerator Stack, Emission Point 62-74, VOC and $PM_{10}$ emissions have been updated which will not affect the monitoring, recordkeeping and reporting requirements of Part 70 Specific Condition No. 3;
15. Fixed Roof Tank CAP, Emission Point 129-95 and Floating Roof Tanks CAP, Emission Point 130-95, have been updated based on the overall operational changes and reconciliations;
16. Removed FCCU Naphtha Tank (10-5), Emission Point 91-74, from the inventory;
17. Incorporated two Case By Case Insignificant Activities a) NDHT Unit 56 Float Column Water Boot Draining & Flushing dated May 30, 2007 and b) Eocene Compressors' knockout Drums dated December 26, 2007;
18. Moved Startup/Shutdown emissions from Units 220, 221, 232, 234, and 247 from the GME Flare to the North Flare and changed the flare efficiency from 99% to 98%;
19. Incorporated Shell Off-Gas Compressor Flaring emissions in the South Flare Stack (59-1401), Emission Point 69-74 and reduced the flare efficiency from 99% to 98%;
20. Updated the emissions from the LPG off-gases from Merox Unit that are routed to the FCC Charge Heater (25-1401) based on stack test results;
21. Incorporated the emissions from Sats. Gas Hot Oil Heater (22-1401) emissions into the Combustion Source Emission CAP, Emission Point 133-00;
22. Changed the applicability on FCC Regenerator Vent (30-1401), Emission Point 86-74, from 40 CFR 60 Subpart J to 40 CFR 60 Subpart Ja.

Permitted emissions from the facility (Permit No. 2640-V6, 2887-V7, 2891-V7, and 2893-V11) in tons per year are as follows:

| Pollutant | Before | After | Change | PSD Threshold |
|---|---|---|---|---|
| $PM_{10}$ | 275.72 | 289.68 | + 13.96 | 25/15 ($PM/PM_{10}$) |
| $SO_2$ | 787.03 | 809.92 | + 22.89 | 40 |
| $NO_X$ | 2034.55 | 2026.09 | - 8.46 | 40 |
| CO | 1389.93 | 1412.70 | + 22.77 | 100 |
| VOC | 1359.31 | 1468.06 | + 108.75 | 40 |

PSD review is not required for VOC emissions as the increase without regard to decreases are due to consolidation of all permits as referenced above and new method of calculations and addition of Propane Freeze test activities, Tank Farm painting activities and flaring due to Shell Off Gas Compressor maintenance which were approved as variances as and when required. The emission increases are described below.

The increase in VOC emissions is due to change in calculations methodology for Asphalt Loading Operations (truck), Emission Point 70-08 (0.02 tpy); added emissions from existing Propane Freeze Test activities, Emission point TV-15 and TV-16 (10.88 tpy); updated the emissions from Tank Farm Painting Operation based on a recent audit, Emission Point TV-14 (9.05 tpy); updated the emissions from Platformer Regenerator Stack based on stack test, Emission Point 62-74 (0.17 tpy); updated the

Routine Maintenance and Turnaround emissions, Emission Point TV-12 (4.88 tpy); Updated emissions from the Marine/Barge Loading Operations due to change in calculation methodology for Asphalt, Emission Point 134-96 (3.83 tpy); changed the Emergency Flare Station, emission Point 3-88, efficiency from 99% to 98% (13.02 tpy); changed the South Flare Stack, Emission Point 69-74, efficiency from 99% to 98% (38.97 tpy) and incorporated the flaring emissions Shell off gas compressor during maintenance; updated the Storage Tank Cleaning, Emission Point TV-11, emissions (30.73 tpy); updated emission calculations based on the current operations for Wastewater Collection/ Treatment Operations, Emission Point 30-08, and incorporated the emissions from Wastewater Storage Tank, Emission Point 15-97 (13.11 tpy); and updated most of the unit fugitive emissions based on new fugitive component count. The increases referenced above are not due to any modifications (any physical change or change in the method of operation) at the facility. There are other reconciliations which contribute to increases and decreases and are not related to any modifications.

Modeling was performed for Antimony, Biphenyl, and Benzene permitted emissions associated with the proposed consolidated permit and reconciliation. Modeling for other pollutants $PM_{10}$, CO and $SO_2$ were not performed because the emissions for these criteria pollutants have decreased. Modeling was performed for toxic air pollutants which increased over its respective minimum emission rate (MER) under the state program LAC 33:III.5109.B; see the results below.

Modeling demonstrates that emissions from MPC will not violate National Ambient Air Quality Standards (NAAQS) for criteria pollutants and Louisiana Ambient Air Standards (AAS) for toxic air pollutants. Therefore, MPC will not cause air quality impacts which could adversely affect human health or the environment. For earlier modeling results refer to Section VII of the proposed permit.

| Pollutant | Time Period | Adjusted Pollutant Concentration | Louisiana Air Quality Standard (AAS) * |
|---|---|---|---|
| Antimony | 8-Hour | 0.002 ug/m$^3$ | 11.90 ug/m$^3$ |
| Biphenyl | 8-Hour | 5.94 ug/m$^3$ | 23.80 ug/m$^3$ |
| Benzene | Annual | 11.20 ug/m$^3$ | 12.00 ug/m$^3$ |

*Ambient air standard set forth in LAC 33:III.5112.

**This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.**

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, June 22, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed Part 70 air operating permit renewal/modification and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov**.

An additional copy may be reviewed at St. John the Baptist Parish Library-Headquarters, 2920 New Highway 51, LaPlace, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Syed Quadri, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3123.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis** can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

**All correspondence should specify AI Number 3165, Permit Number 2580-00013-V0, and Activity Number PER20080033.**

**Publication date: May 19, 2010**

# AIR PERMIT BRIEFING SHEET
# AIR PERMITS DIVISION
# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

## I. BACKGROUND

The Louisiana Refining Division currently operates under several Part 70 Permits: 2640-V6 dated October 12, 2009; 2887-V7 dated January 6, 2009; No. 2891-V7 dated October 19, 2009; No. 2893-V11 dated December 16, 2009; and several Prevention of Significance Deterioration (PSD) Permits No. PSD-LA-548 dated March 16, 1989; PSD-LA-568(M-1) dated August 27, 1998; PSD-LA-640(M-1) dated April 10, 2008, and PSD-LA-719(M-1) dated May 28, 2008. This Title V Permit also incorporates the Early Reduction Program (ERP) Specialty Permit (Permit No. 2209500013) issued by EPA on July 25, 1997 and the requirements of the First Revised Consent Decree A NSR Global Settlement (Civil Action No. 01-CV-40119-PVG) between USA EPA and Marathon Ashland Petroleum date of entry November 17, 2005.

Permit No. 2887-V2 dated December 16, 2005 allowed a minor modification in order to operate the Hydrotreating Unit Reactor with changes to achieve its rated capacity and to isolate individual heat exchangers for repair rather than shut down the whole train, etc.

Permit No. 2887-V3 dated December 27, 2006 allowed the facility to expand the operations under the Garyville Major Expansion (GME) Project to increase the capacity from 245,000 to 425,000 barrels per calendar day.

Permit No. 2887-V4 dated October 26, 2007 allowed the facility to reduce the overall gasoline dock loading volume from 29.6 to 27.28 MM barrels per year from each marine vapor combustor, Emission Points 55-08 and 107-90.

Permit No. 2887-V5 dated April 10, 2008, allowed the facility to incorporate the requirements of the First Revised Consent Decree – A NSR Global Settlement (Civil Action No. 01-CV-40119-PVG) between US EPA and Marathon Ashland Petroleum (aka MPC) date of entry November 17, 2005; Leak Detection and Repair (LDAR) Program Enhancement, Paragraph 20. Under this requirement of the Consent Decree the facility evaluated (equipment in light liquid, gas, and heavy liquid) and retagged (potential to leak and identification of all streams) fugitive emissions components for the LDAR program at the refinery. This resulted in an increase in fugitive component count and the fugitive emissions. LDAR audits results were utilized and fugitive emissions calculation methodology was based on EPA's correlation equation (EPA-453/R-95-017). The Tank Cleaning (Emission Point TV-11) emissions were updated to reflect the operating scenarios. In addition, the facility incorporated HF emissions from Unit 27 Fugitives which were inadvertently omitted earlier.

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Installation of a Sulfolane Unit (permitted under GME Permit No. 3039-V4) to meet USEPA Mobile Source Air Toxics (MSAT) Phase 2 final rule requirements dated February 9, 2007, to limit gasoline product benzene content to an annual average of 0.62 percent by volume. To operate the Sulfolane Unit the facility revamped the existing equipment (Boilers, Cooling Towers, Wastewater Collection and Treatment System, Marine Tanks and Barge Loading Operations and Fugitive Emission Sources), installed new internal floating roof tanks. These changes were permitted under Part 70 Permit No. 2887-V6 dated November 26, 2008.

Permit No. 2887-V7 dated January 6, 2009 allowed the facility to process imported waste from Marathon Petroleum Company LLC, Texas City Refinery in addition to the locally generated API/DAF sludge from the Thermal Desorption Unit and the GME Project. The facility is in the process of installing a Permanent Sludge Management Facility (PSMF). The solids stream from this unit will dispose off in a nonhazardous landfill and the other two phases (water and oil) will be recycled within the facility. These oily waste are treated at the Wastewater Treatment Plant (WWTP) and then discharged to the surface waters under the National Pollutant Discharge Elimination System (NPDES).

Background on other permits can be obtained from the individual permits, Permit Nos. 2640-V6 dated October 12, 2009; 2891-V7 dated October 19, 2009; and 2893-V11 dated December 16, 2009.

## II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated December 12, 2008 were received for the renewal of Permit No. 2887-V7 and to consolidate all the permits (Permit Nos. 2640-V6, 2887-V7, 2891-V7,and 2893-V11) for the facility into one permit except the Garyville Major Expansion (Permit No. 3039-V6) permit. The facility submitted a revised application dated February 5, 2010. Additional information as of May 2, 2010, was also received.

## III. DESCRIPTION

Marathon Petroleum Company LLC (MPC) is a highly automated petroleum refinery with an overall capacity to convert approximately 495,000 barrels of crude oil per day (annual average) into finished products of which GME Project contributes 250,000 barrels of crude oil per day (annual average).

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Refining operations typically involve storage, separation, conversion, and blending. The following is a brief description of manufacturing process units at MPC's Louisiana Refining Division:

Atmospheric Crude Distillation: The refinery has one atmospheric crude distillation tower with naphtha splitter and light straight run (LSR) stabilizer. This tower does not have a preflash unit, and it separates the crude into its different components based upon boiling point.

Vacuum Crude Distillation: This unit distills reduced crude from the atmospheric column into vacuum gas oil. The vacuum is produced by a steam ejector/eductor system with Graham nozzles and operates at a vacuum of 10-15 mm Hg absolute. Hot well off gases are vented to the amine treater.

Fluidized Catalytic Cracking Unit (FCCU): The Exxon licensed FCCU converts gas oil into gasoline and other hydrocarbons. Hydrotreated heavy gas oil is contacted with silica-alumina catalyst at the base of the reactor riser. The oil is cracked and the reactor stream tops are diverted to a fractionator. During the cracking process, coke is deposited on the catalyst requiring it to be continuously regenerated and contacted with air at approximately 1350 degrees F to burn the coke off the catalyst. The regenerator flue gas is sent to a wet scrubber, while the catalyst is recycled.

Hydrotreating: The refinery operates four hydrotreating units (HTUs). The purpose of these units is to reduce sulfur compounds to hydrogen sulfide. In this process hydrogen is added to the hydrocarbon and fed to a fixed bed reactor. Unreacted hydrogen is flashed from the reactor and recycled. The product is fractionated to remove hydrogen sulfide and other light ends.

Reforming: A continuous catalytic reformer (reactors and catalyst) is used to generate platformate from hydrotreated heavy naphtha. The reactors are configured in parallel and series to prevent bottlenecking. The catalyst is regenerated approximately every two weeks.

Isomerization: There are two isomerization units. One is used to isomerize normal butane ($C_4$) and the other for pentane ($C_5$) and light naphtha to be used as a gasoline blending and alkylation feedstock.

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Sulfur Plant: The refinery has three Claus sulfur units which are capable of recovering 750 long tons of sulfur per day. The residual gases in each unit are treated in a tail gas treater unit and a thermal oxidizer. MPC currently operates three thermal oxidizers which were previously permitted under the Coker Project (Permits No. 2640-V0 and PSD-LA-640) issued on October 21, 1999 and repermitted under the GDU Project Permit No. 2640-V1 issued on November 17, 2003.

Boilers and Heaters: Boilers are used in the refinery to produce steam. Heaters are used to heat raw materials/feedstocks before processing. Fuel gas is burned in the combustion units and is subject to NSPS requirements. The fuel gas recovered from the amine treatment units is mixed with natural gas and consumed in the combustion units.

Hydrofluoric Acid/Alkylation: The refinery uses hydrofluoric acid alkylation process to react $C_3$ and $C_4$ olefins (from the FCCU) and isobutane to generate alkylate, a gasoline blending component. The feed is dried and passed through a reactor. The reactor effluent is settled to separate acid from the lighter ends. The lighter hydrocarbon is fractionated while the acid is recycled. The recovered alkylate is sent to gasoline blending and the propane and n-butane are each defluorinated over activated alumina treaters to remove fluoride.

Sulfur Removal: Various light hydrocarbon streams containing hydrogen sulfide are contacted with lean amine in absorbers. Hydrogen sulfide is absorbed into the amine and rich amine is regenerated and recycled. Sulfur plant produces elemental sulfur from hydrogen sulfide. The sulfur plant tail gas contains residual amounts of sulfur dioxide, which is converted to hydrogen sulfide, again removed using amine, and recycled to the sulfur plant for recovery. The refinery operates three amine units.

Residual upgrading: The Residual Oil Supercritical Extraction (ROSE) unit separates vacuum tower residuum into asphaltenes and deasphalted oil by using differences in the solubility of these components in a solvent, n-butane. The deasphalted oil is sent to the FCCU, while the asphaltenes are cut with a lighter stock and used as a blending component for heavy fuel oil. The ROSE unit utilization is limited as the vacuum residuum is commercially sold as asphalt.

Propylene Splitter: MPC has installed and operating a propylene splitter tower located just north of the FCC Unit. The propylene stream from the existing FCC fractionator is vented to the propylene splitter tower for purification and then purified propylene is sent

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to the polypropylene plants via pipelines. Purified propylene is also sent to the propylene loading rack for outside sales.

Coker Unit: The Coker Unit converts heavy oil into more valuable products and feedstocks. It also produces approximately 2,850 tons per day high sulfur coke which is sold as solid fuel on the open market. It operates as described below:

Feed to the Coker Unit is pumped to a heater where the heavy oil is preheated to the desired temperature. The vapor-liquid mixture leaving the furnace enters one of the two drums where it is converted to lighter hydrocarbon vapors and petroleum coke. The unit has two coke drums to allow continuous operation. Hydrocarbon vapors from the coke drum are routed to a fractionation tower and separated into the following products: sour gas, naphtha coker distillate, and coker gas oil. Sour gas is processed and sweetened in the unit's gas concentration unit with the propane/butane routed to the HF Alkylation Unit and the methane/ethane diverted to the fuel gas system. Naphtha and distillate are piped to the Distillate Hydrotreater for sweetening into diesel fuel. The gas oil is routed to Heavy Gas Oil Hydrotreater for sweetening prior to being processed in the Fluid Catalytic Cracking Unit (FCCU).

The facility is proposing to incorporate all the current permits (Permit Nos. 2640-V6, 2887-V7, 2891-V7 and 2893-V11) for the facility except the Garyville Major Expansion permit (Permit No. 3039-V6) into one Part 70 Operating permit (Permit No. 2580-00013-V0). Also, incorporate previously approved minor modifications, reconciliations, approved Case by Case Insignificant Activities, updated fugitive components based on an on going audit, update the equipment and emissions based on better reflection of operations (splitting emission point, modify facility CAPs, change hours of operations, reconcile emissions, update loading emissions, etc.). The following are the changes in some details and are not all inclusive:

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20. Updated the emissions from the LPG off-gases from Merox Unit that are routed to the FCC Charge Heater (25-1401) based on stack test results;
21. Updated emissions from the Disulfide Off Gas stream routed to the Sats. Gas Hot Oil Heater (22-1401); this heater is part of the Combustion Source Emission CAP, Emission Point 133-00;
22. Changed the applicability on FCC Regenerator Vent (30-1401), Emission Point 86-74, from 40 CFR 60 Subpart J to 40 CFR 60 Subpart Ja.

Permitted emissions from the facility (Permit No. 2640-V6, 2887-V7, 2891-V7, and 2893-V11) in tons per year are as follows:

| Pollutant | Before | After | Change | PSD Threshold |
|---|---|---|---|---|
| $PM_{10}$ | 275.72 | 289.68 | + 13.96 | 25/15 ($PM/PM_{10}$) |
| $SO_2$ | 787.03 | 809.92 | + 22.89 | 40 |
| $NO_X$ | 2034.55 | 2026.09 | - 8.46 | 40 |
| CO | 1389.93 | 1412.70 | + 22.77 | 100 |
| VOC | 1359.31 | 1468.06 | + 108.75 | 40 |

PSD review is not required for VOC emissions as the increase without regard to decreases are due to consolidation of all permits as referenced above and new method of calculations and addition of Propane Freeze test activities, Tank Farm painting activities and flaring due to Shell Off Gas Compressor maintenance which were approved as variances as and when required. The emission increases are described below.

The increase in VOC emissions is due to change in calculations methodology for Asphalt Loading Operations (truck), Emission Point 70-08 (0.02 tpy); added emissions from existing Propane Freeze Test activities, Emission point TV-15 and TV-16 (10.88 tpy); updated the emissions from Tank Farm Painting Operation based on a recent audit, Emission Point TV-14 (9.05 tpy); updated the emissions from Platformer Regenerator Stack based on stack test, Emission Point 62-74 (0.17 tpy); updated the Routine Maintenance and Turnaround emissions, Emission Point TV-12 (4.88 tpy); Updated emissions from the Marine/Barge Loading Operations due to change in calculation methodology for Asphalt, Emission Point 134-96 (3.83 tpy); changed the Emergency Flare Station, emission Point 3-88, efficiency from 99% to 98% (13.02 tpy); changed the South Flare Stack, Emission Point 69-74, efficiency from 99% to 98% (38.97 tpy) and incorporated the flaring emissions Shell off gas compressor during maintenance; updated

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the Storage Tank Cleaning, Emission Point TV-11, emissions (30.73 tpy); updated emission calculations based on the current operations for Wastewater Collection/ Treatment Operations, Emission Point 30-08, and incorporated the emissions from Wastewater Storage Tank, Emission Point 15-97 (13.11 tpy); and updated most of the unit fugitive emissions based on new fugitive component count. The increases referenced above are not due to any modifications (any physical change or change in the method of operation) at the facility. There are other reconciliations which contribute to increases and decreases and are not related to any modifications.

| VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs): | | | |
|---|---|---|---|
| Pollutant | Before | After | Change |
| 1,1,2,2-Tetrachloroethane | 0.21 | 0.26 | + 0.05 |
| 1,1,2-Trichloroethane | <0.01 | 0.01 | + 0.01 |
| 1,3-Butadiene | 0.10 | 0.12 | + 0.02 |
| 1,4-Dichlorobenzene | <0.01 | <0.01 | - |
| 2,2,4-Trimethylpentane | 5.27 | 5.65 | + 0.38 |
| Acrylonitrile | <0.01 | <0.01 | - |
| Benzene | 19.93 | 19.99 | + 0.06 |
| Biphenyl | 0.74 | 0.43 | - 0.31 |
| Carbon disulfide | 0.20 | 0.25 | + 0.05 |
| Chlorinated Dibenzo-P-Dioxins | - | <0.001 | + <0.001 |
| Chlorinated dibenzofurans | - | <0.001 | + <0.001 |
| Chlorobenzene | <0.01 | <0.01 | - |
| Chloroform | <0.01 | 0.01 | + 0.01 |
| Cresol | 0.65 | 0.43 | - 0.22 |
| Cumene | 0.24 | 0.24 | - |
| Ethyl benzene | 7.05 | 7.12 | + 0.07 |
| Formaldehyde | 0.31 | 0.38 | + 0.07 |
| Methyl chloride | 0.58 | 0.73 | + 0.15 |
| Methanol | 0.02 | 0.02 | - |
| Methyl tert butyl ether | 0.47 | - | - 0.47 |

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| VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs): | | | |
|---|---|---|---|
| Pollutant | Before | After | Change |
| Methyl ethyl ketone | 1.85 | 1.84 | - 0.01 |
| Methyl isobutyl ketone | 0.19 | 0.74 | + 0.55 |
| Naphthalene | 6.87 | 6.92 | + 0.05 |
| n-Hexane | 29.29 | 28.78 | - 0.51 |
| Polynuclear Aromatic HCs | 0.32 | 0.48 | + 0.16 |
| Phenol | 0.28 | 0.09 | - 0.19 |
| Styrene | 0.24 | 0.22 | - 0.02 |
| Toluene | 38.37 | 33.20 | - 5.17 |
| Vinyl Acetate | <0.01 | - | - <0.01 |
| Xylenes | 18.21 | 18.95 | + 0.74 |
| **Total** | **131.07** | **126.38** | **- 4.69** |
| Other VOC (TPY) | | **1341.68** | |

| Non VOC Toxic Air Pollutants (TAPs) | | | |
|---|---|---|---|
| Pollutant | Before | After | Change |
| Ammonia | 11.08 | 7.38 | - 3.70 |
| Antimony (and compounds) | <0.01 | 0.02 | + 0.02 |
| Arsenic (and compounds) | <0.01 | <0.01 | - |
| Barium (and compounds) | <0.01 | <0.01 | - |
| Cadmium (and compounds) | <0.01 | <0.01 | - |
| Chlorine | 3.40 | 3.40 | - |
| Chromium VI (and compounds) | <0.01 | <0.01 | - |
| Hydrochloric acid | 14.15 | 14.15 | - |
| Hydrofluoric acid | 1.50 | 2.90 | + 1.40 |
| Hydrogen sulfide | 27.41 | 29.90 | + 2.49 |
| Lead (and compounds) | <0.01 | <0.01 | - |
| Mercury (and compounds) | <0.01 | <0.01 | - |
| Nickel (and compounds) | <0.01 | <0.01 | |

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| Non VOC Toxic Air Pollutants (TAPs) | | | |
|---|---|---|---|
| Pollutant | Before | After | Change |
| Sulfuric acid | 37.22 | 37.22 | - |
| Tetrachloroethylene | 4.30 | 4.37 | + 0.07 |
| Zinc | <0.01 | <0.01 | - |
| **Total** | **99.06** | **99.34** | **+ 0.28** |

Note the Subpart UUU for the FCCU Regenerator requires the facility to control metal (inorganic) HAP and organic HAP emissions. The ERP application submitted by MPC and the ERP Permit issued by the EPA shows metal (inorganic) HAP emissions from the FCCU Regenerator, (i.e., the early reduction demonstration was shown for metal (inorganic) HAP emissions and FCCU Regenerator was included as one of the source emitting metal HAP under the early reduction source). Based on this, the ERP Permit will give MPC the MACT extension of Subpart UUU requirement for the metal HAP emissions for the FCCU Regenerator. MPC will comply with the applicable Subpart UUU requirements for the Organic HAP emissions from the FCCU Regenerator as per the original schedule.

The following table summarizes the status of compliance date and extension of MACT standard for all emission points included under the ERP Specialty Title V Permit:

| Source ID No. | Emission Point Description | Applicable MACT Regulation (40 CFR 63) | MACT Compliance Date |
|---|---|---|---|
| 107-90 | Marine & Barge Loading Operations | Subpart CC | August 18, 1998# |
| 62-74 | Platformer Regenerator Vent | Subpart UUU | April 11, 2011* |
| 86-74 | Fluid Catalytic Cracking Unit (FCCU) Vent | Subpart UUU | April 11, 2011* (except OHAP) |
| 61A-74<br>61B-74<br>61C-74<br>61D-74 | Old South (crude), FCCU, HF Alky, & New South Cooling Towers | Subpart Q | March 8, 1995# |

# In compliance since the date stated in the above table with the requirements of Subpart CC and Subpart Q, respectively.

* Shall come into compliance on the date stated in the above table with the requirements of 40 CFR 63 Subpart UUU.

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## IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply. Also based on the Consent Decree – A NSR Global Settlement (Civil No. 01-40119) between US EPA and Marathon Ashland Petroleum date of entry August 28, 2001.

This facility is part of a major source of toxic air pollutants.

The sources included in this permit are subject to the requirements of National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR 63, Subpart CC - National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries; NESHAP, 40 CFR 61, Subpart FF - National Emissions Standard for Benzene Waste Operations; New Source Performance Standards (NSPS), 40 CFR 60, Subpart Db – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units; 40 CFR 60, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978; 40 CFR 60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984; 40 CFR 60, 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; New Source Performance Standards, 40 CFR 60, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems; New Source Performance Standards, 40 CFR 60, Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the SOCMI for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006; NSPS, 40 CFR 60, Subpart GGGa - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After November 7, 2006; NSPS, 40 CFR 60, Subpart Ja – Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007; NSPS, 40 CFR 60, Subpart J – Standards of Performance for Petroleum Refineries; New Source Performance Standards, 40 CFR 60, Subpart GGG - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; NESHAP, 40 CFR 63, Subpart UUU

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– Petroleum Refineries (Catalytic Cracking and Reforming Units and Sulfur Recovery Plants), LAC 33:III.Chapter 51 - Comprehensive Toxic Air Pollutant Emission Control Program; and LAC 33:III.2121 – Fugitive Emission Control.

## V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

## VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on May **, 2010; and in The *L'Observateur*, St. John the Baptist Parish, Louisiana, on May **, 2010.. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on May **, 2010. The draft permit was also submitted to US EPA Region VI on May **, 2010. All comments will be considered prior to the final permit decision.

## VII. EFFECTS ON AMBIENT AIR

Modeling was performed for Antimony, Biphenyl, and Benzene permitted emissions associated with the proposed consolidated permit and reconciliation. Modeling for other pollutants PM10, CO and SO2 were not performed because the emissions for these criteria pollutants have decreased. Earlier modeling indicated that there was no exceedance of NAAQS for these criteria pollutants. Current modeling indicated that there will not be any exceedance of NAAQS. Recent and current modeling results are represented in the tables below:

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Dispersion Model(s) Used: ICST3

| Pollutant | Time Period | Adjusted Pollutant Concentration ($ug/m^3$) | Louisiana Air Quality Standard (NAAQS) ($ug/m^3$) |
|---|---|---|---|
| $PM_{10}$ | 24-Hour | 99.67 | 150 |
| | Annual | 28.01 | 50 |
| $SO_2$ | 3-Hour | 828.62 | 1300 |
| | 24-Hour | 226.67 | 365 |
| | Annual | 39.86 | 80 |
| $NO_2$ | Annual | 36.32 | 100 |
| CO | 1-Hour | 3,233.42 | 40,000 |
| | 8-Hour | 941.11 | 10,000 |
| 1,1,2,2-Tetrachloroethane | Annual | 0.09 | 1.7 |
| 1,3-Butadiene | Annual | 0.02 | 0.92 |
| Ammonia | 8-Hour | 110.64 | 640 |
| Arsenic | Annual | 0.00035 | 0.02 |
| Barium | 8-Hour | 0.33 | 11.9 |
| Benzene | Annual | 10.41 | 12 |
| Biphenyl | 8-Hour | 23.16 | 23.8 |
| Cadmium | Annual | 0.00193 | 0.06 |
| Chlorine | 8-Hour | 11.70 | 35.7 |
| Chromium | Annual | 0.003 | 0.01 |
| Copper | 8-Hour | 0.06 | 23.8 |
| Ethyl benzene | 8-Hour | 1,153.73 | 10,300 |
| Formaldehyde | Annual | 0.03 | 7.69 |
| Hydrogen Chloride | 8-Hour | 48.34 | 180 |
| Hydrogen Sulfide | 8-Hour | 226.72 | 330 |
| Mercury | 8-Hour | 0.25 | 1.19 |
| Methanol | 8-Hour | 10.06 | 6,240 |
| Naphthalene | 8-Hour | 349.05 | 1,190 |
| n-Hexane | 8-Hour | 528.68 | 4,190 |
| Nickel | Annual | 0.004 | 0.21 |
| Sulfuric Acid | 8-Hour | 2.23 | 23.8 |
| Tetrachloroethylene | Annual | 4.98 | 105.26 |

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| Pollutant | Time Period | Adjusted Pollutant Concentration ($ug/m^3$) | Louisiana Air Quality Standard (NAAQS) ($ug/m^3$) |
|---|---|---|---|
| Toluene | 8-Hour | 1,200.30 | 8,900 |
| Xylene | 8-Hour | 424.97 | 10,300 |
| Zinc | 8-Hour | 2.14 | 119 |

These results shown below are from the modeling conducted for the Sulfolane Project which was mothballed.

| Pollutant | Time Period | Adjusted Pollutant Concentration | Louisiana Air Quality Standard (AAS) |
|---|---|---|---|
| Ammonia | 8-Hour | 106.90 $ug/m^3$ | 640 $ug/m^3$ |
| Benzene | Annual | 11.14 $ug/m^3$ | 12 $ug/m^3$ |

The modeling results for the current consolidation and reconciliation.

| Pollutant | Time Period | Adjusted Pollutant Concentration | Louisiana Air Quality Standard (AAS) |
|---|---|---|---|
| Antimony | 8-Hour | 0.002 $ug/m^3$ | 11.90 $ug/m^3$ |
| Biphenyl | 8-Hour | 5.94 $ug/m^3$ | 23.80 $ug/m^3$ |
| Benzene | Annual | 11.20 $ug/m^3$ | 12.00 $ug/m^3$ |

## VIII. GENERAL CONDITION XVII ACTIVITIES

| Unit | Unit | Emissions (tons/yr) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Total VOC | $PM_{10}$ | $SO_2$ | NOx | CO | $H_2S$ |
| 005 | Delayed Coker | 2.63 | 0.01 | 0.22 | 0.01 | - | - |
| 007 | Rose | 1.05 | - | - | - | - | - |
| 008 | LSR Hydrotreater | 0.59 | - | - | - | - | - |
| 009 | Penex | 0.97 | - | - | - | - | - |
| 010 | Crude | 2.99 | - | 0.01 | - | 0.01 | 0.01 |

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| Unit | Unit | Emissions (tons/yr) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Total VOC | $PM_{10}$ | $SO_2$ | NOx | CO | $H_2S$ |
| 011 | Naphtha Hydrotreater | 0.48 | - | - | - | - | - |
| 012 | Platformer | 1.81 | - | 0.01 | - | 0.01 | 0.01 |
| 014 | Distillate Hydrotreater | 1.19 | - | - | - | - | - |
| 015 | Heavy Gas Oil Hydrotreater | 1.29 | - | - | - | - | - |
| 016 | FCC Gasoline Merox | 0.22 | - | - | - | - | - |
| 017 | FCC Unsaturated LPG Merox | 0.32 | - | - | - | - | - |
| 019 | Amine/Sour Water Stripper | 1.10 | 0.20 | - | 2.73 | 0.76 | - |
| 020 | Sulfur Recovery | 0.25 | - | - | - | - | - |
| 021 | Tail Gas | 0.78 | - | - | - | - | - |
| 022 | Saturates Gas Plant | 1.12 | - | - | - | - | - |
| 023 | Saturates Propane Merox | 0.33 | - | - | - | - | - |
| 024 | Saturated Butane Merox | 0.15 | - | - | - | - | - |
| 025 | Fluid Catalytic Cracking | 1.48 | - | - | - | - | - |
| 026 | FCC Gas Concentration | 1.67 | - | 0.01 | - | 0.01 | 0.01 |
| 027 | HF Alkylation | 2.59 | - | 0.02 | - | 0.02 | 0.02 |
| 028 | Butane Isomerization | 0.95 | - | - | - | - | - |
| 030 | Wet Gas Scrubber | 0.05 | - | - | - | - | - |
| 031 | Caustic Storage (WGS) | 0.14 | - | - | - | - | - |
| 032 | DEA Regeneration | 0.69 | 0.20 | - | 2.73 | 0.76 | - |
| 033 | Sour Water Stripping | 0.23 | - | - | - | - | - |
| 034 | Sulfur Plant #2 | 0.46 | - | - | - | - | - |
| 035 | Main Substation Power Dist. | - | - | - | - | - | - |
| 036 | Boiler Feedwater Treating | 0.08 | - | - | - | - | - |
| 037 | Cooling Towers | 0.11 | - | - | - | - | - |
| 038 | Potable Water System | 0.02 | - | - | - | - | - |
| 039 | Plant Water Treatment | 0.15 | - | - | - | - | - |
| 040 | Plant & Instrument Air | 0.05 | - | - | - | - | - |
| 041 | Intermediate Product Storage | 0.18 | - | - | - | - | - |
| 042 | North Steam Plant | 0.13 | - | - | - | - | - |
| 043 | Fuel System | 0.14 | - | - | - | - | - |
| 044 | Sulfur & Asphalt Handling Facility | 0.06 | - | - | - | - | - |
| 045 | Sulfur Unit | 0.28 | - | - | - | - | - |
| 046 | Propylene Splitter | 1.37 | - | 0.01 | - | 0.01 | 0.01 |
| 047 | Amine Unit | 0.65 | 0.20 | - | 2.73 | 0.76 | - |
| 048 | Sour Water Stripper | 0.15 | - | - | - | - | - |
| 050 | Marine Docks (#1 & #2) | 0.38 | - | - | - | - | - |

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| Unit | Unit | Emissions (tons/yr) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Total VOC | $PM_{10}$ | $SO_2$ | NOx | CO | $H_2S$ |
| 055 | Gasoline Desulfurization | 1.69 | - | 0.01 | - | 0.01 | 0.01 |
| 056 | Diesel Hydrotreater | 1.41 | - | - | - | - | - |
| 058 | Fire Protection | 0.08 | 0.31 | 3.98 | 1.44 | 0.16 | - |
| 059 | New Flare System & Stack | 0.16 | - | - | - | - | - |
| 060 | Wastewater Treating | 0.55 | - | - | - | - | - |
| 062 | Storm Drainage, Sewer, Bundle | 3.39 | - | - | - | - | - |
| 063 | Intercon. Pipeway & Tank Field | 2.64 | - | - | - | - | - |
| 064 | Railroad Racks – LPG | 0.32 | - | - | - | - | - |
| 065 | Truck Racks – LPG | 0.20 | - | - | - | - | - |
| 066 | Refrigerated Butane Storage | 0.42 | - | - | - | - | - |
| 067 | Blending Facilities | 0.46 | - | - | - | - | - |
| 069 | Laboratory | 1.62 | - | - | - | - | - |
| 071 | Barge Dock (#3) | 0.26 | - | - | - | - | - |
| 072 | Mobil Equip., Trans., Garage | - | - | - | - | 0.02 | - |
| 074 | Maintenance Shop | - | - | - | - | - | - |
| 075 | Waste Disposal | - | - | - | - | - | - |
| 076 | Yard Maintenance | - | - | - | - | - | - |
| 077 | Conveyor Belt | 0.02 | - | - | - | - | - |
| 089 | General Maintenance | - | - | - | - | - | - |

Note that the total GCXVII activity emissions per unit include each GCXVII activity at its respective estimated variable frequency. The total events for each activity in each unit will vary depending upon various process, maintenance, and startup/shutdown parameters but the total emissions from the events at each unit will not exceed the emissions stated above (For details see the application).

## IX. INSIGNIFICANT ACTIVITIES

| ID No.: | Description | Citation |
|---|---|---|
| - | Chemical Injection Storage Tanks (< 250 gal and < 3.5 psia) | LAC 33:III.501.B.5.A.2 |
| - | Chemical Injection Storage Tanks (< 10,000 gal and < 0.5 psia) | LAC 33:III.501.B.5.A.3 |
| - | Amine Storage Tanks (< 10,000 gal and < 0.5 psia) | LAC 33:III.501.B.5.A.3 |

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| ID No.: | Description | Citation |
|---|---|---|
| - | Diesel Storage Tanks (< 10,000 gal and < 0.5 psia) | LAC 33:III.501.B.5.A.3 |
| - | Inorganic Storage Tanks | LAC 33:III.501.B.5.A.4 |
| - | Heaters (< 1 MM BTU/hr) | LAC 33:III.501.B.5.A.5 |
| - | Laboratory Equipment/Process Vents for Routine Chemical or Physical Analysis | LAC 33:III.501.B.5.A.6 |
| - | Empty Drum Washing – Rinse | LAC 33:III.501.B.5.A.7 |
| - | Soap, Detergent, Surfactant, and Aqueous Salt Solution Storage Tanks | LAC 33:III.501.B.5.A.10 |
| - | Catalyst Charging Operations | LAC 33:III.501.B.5.A.11 |
| - | Spray Painting | LAC 33:III.501.B.5.B.2 |
| - | Welding, Steam Cleaning, Grinding, and Sandblasting | LAC 33:III.501.B.5.B.3 |
| - | Vehicle Exhaust and Refueling | LAC 33:III.501.B.5.B.4 |
| - | Water Treating Chemicals Storage and Usage | LAC 33:III.501.B.5.B.8 |
| - | Use of Vehicle Products (antifreeze, fuel additives, etc.) | LAC 33:III.501.B.5.B.13 |
| - | Lube Oil Systems (oil mist, etc.) | LAC 33:III.501.B.5.B.16 |
| - | Hydrochloric Acid Storage for Water Treatment | LAC 33:III.501.B.5.D |
| | Sulfuric Acid Storage for Water Treatment | LAC 33:III.501.B.5.D |
| | Hydrofluoric Acid Storage | LAC 33:III.501.B.5.D |
| | | |

MPC may use other chemicals with different compositions which comply with the requirements of LAC 33:III.501.B.5 and are not included in the above table..

# PART 70 SPECIFIC CONDITIONS

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

The permit is issued under the following conditions:

The permittee shall comply with all applicable requirements listed in the attached tables. Failure to comply with any of the federal applicable requirements or compliance monitoring devices, activities, or methods listed in Tables 1, 2, 3, and 4 will represent a violation of this permit.

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one of the applicable fugitive emissions programs.

    a. Streamlined program shall be applicable to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size or component available in any of the programs being streamlined.

    b. Leak definitions and monitoring frequency shall be used based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year on the streamlined program in order to allow for transition from existing monitoring schedules.

    c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods from January 1 through June 30, and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

# PART 70 SPECIFIC CONDITIONS

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## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

| Unit or Plant Site | Programs Streamlined | Stream Applicability | Overall Most Stringent Program |
|---|---|---|---|
| 5-Coker | NSPS Subpart GGG*<br>NESHAP Subpart CC<br>LA Refinery MACT<br>LAC 33:III.Chapter 21 | 10% VOC<br>5% VOHAP<br>5% Air Toxics<br>10% VOC | Louisiana Refinery MACT |
| 7 – ROSE Unit | NSPS Subpart GGG*<br>LAC33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 8 – LSR Hydrotreater | NSPS Subpart GGG*<br>NESHAP Subpart CC<br>LAC 33:III.Chapter 21 | 10% VOC<br>5% VOHAP<br>10% VOC | NESHAP Subpart CC |
| 9 – Penex | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% VOHAP | NESHAP Subpart CC |
| 10 – Crude Unit | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 11 – Naphtha Hydrotreater | LAC Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 12 – Platforming Unit | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 14 – Distillate Hydrotreater Unit | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 15 – HGO Hydrotreater Unit | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 16 – FCC Gas Merox | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 17 – LPG Merox | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 19 – Amine/Sour Water Stripper | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 20 – Sulfur Plant No. 1 | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 21 – Tail Gas Unit | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |

## PART 70 SPECIFIC CONDITIONS

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| Unit or Plant Site | Programs Streamlined | Stream Applicability | Overall Most Stringent Program |
|---|---|---|---|
| 22 – Saturates Gas Plant | LAC 33:III.Chapter 21<br>NESHAP Subpart CC<br>LA Refinery MACT | 10% VOC<br>5% VOHAP<br>5% Air Toxics (Class I&II) | Louisiana Refinery MACT |
| 23 – Propane Merox Unit | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 24 – Butane Merox Unit | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 25 – FCCU | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 26 – FCCU Gas Con | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 27 – HF Alkylation | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% VOHAP | NESHAP Subpart CC |
| 28 – Butane Isomerization | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 32 – Tail Gas Unit | NSPS Subpart GGG*<br>LAC Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 33 – Sour Water Stripping | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 34 – Sulfur Plant No. 2 | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 36 – Boiler Feedwater Treating | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 39 – Plant Water Treatment | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 41 Intermediate Product Storage | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 42 – North Steam Plant | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 43 – Fuel Gas System Unit | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |

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| Unit or Plant Site | Programs Streamlined | Stream Applicability | Overall Most Stringent Program |
|---|---|---|---|
| 45 – Sulfur Plant No. 3 | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 46 – Propylene Splitter Fugitives | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 47 – Amine Unit | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21 | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 50 – Marine Loading Docks 1 & 2 | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 55 – Gasoline Desulfurization Unit | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 56 – New Distillate Hydrotreater Unit | NSPS Subpart GGG*<br>LA Refinery MACT<br>NESHAP Subpart CC<br>LAC 33:III.Chapter 21 | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP<br>10% VOC | Louisiana Refinery MACT |
| 59 – Flare Knockout Drum | LAC 33:III.Chapter 21<br>NESHAP Subpart CC | 10% VOC<br>5% VOHAP | NESHAP Subpart CC |
| 60 – Wastewater | LAC 33:III.Chapter 21<br>NSPS Subpart GGGa** | 10% VOC<br>10% VOC | NSPS Subpart GGGa** |
| 63 – Interconnecting Pipeway | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 64 – Railroad Racks LPG | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 65 – Truck & Rail Car Loading | LAC 33:III.Chapter 21 | 10% VOC | LAC 33:III.2121 |
| 66 – Refrigerated Butane Storage | LAC 33:III.Chapter 21<br>NSPS Subpart GGG* | 10% VOC<br>10% VOC | NSPS Subpart GGG* |
| 67 – Blending Facilities | LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |
| 71 – Barge Dock No. 3 Fugitives | NSPS Subpart GGG*<br>LAC 33:III.Chapter 21<br>LA Refinery MACT<br>NESHAP Subpart CC | 10% VOC<br>10% VOC<br>5% Air Toxics (Class I&II)<br>5% VOHAP | Louisiana Refinery MACT |

* Compliance with 40 CFR 60 Subpart VV has been determined to be compliance with 40 CFR 60 Subpart GGG.

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** Post PSMF Project – Compliance with 40 CFR 60 Subpart VVa has been determined to be compliance with Subpart GGGa.

2. Permittee shall store multiple materials or products in the tanks as represented in Table A. Permittee shall always comply with the most stringent applicability requirements based on the product stored in respective tanks.

TABLE A

| EMISSION POINT | CAPACITY (gal) | PRODUCT STORED | ROOF TYPE | APPLICABLE REGULATION (a) | |
|---|---|---|---|---|---|
| 15-74 (150-7) | 6.3 MM | Cracked Distillate | EFR, MS2 | 2103, Kb | CC1 |
| 16-74 (150-6) | 6.3 MM | Gasoline | IFR, LM2 | 2103, K | CC1 |
| 17-74 (150-5) | 6.3 MM | Cracked Distillate | IFR, MS2 | 2103, Kb | CC1 |
| 18-74 (35-2) | 1.47 MM | Sweet Naphtha, LSR Naphtha | EFR, MS2 | 2103, K | CC1 |
| 19-74 (35-1) | 1.47 MM | Gasoline Blend Stock | EFR, MS2 | 2103, K | CC1 |
| 20-74 (55-1) | 2.31 MM | Gasoline Blend Stock NG Condensate | Domed EFR(IFR), MS2 | 2103, K | CC1 |
| 21-74 (55-2) | 2.31 MM | Gasoline Blend Stock NG Condensate | Domed EFR(IFR), MS2 | 2103, K | CC1 |
| 22-74 (150-1) | 6.3 MM | Gasoline Platformate NG Condensate | EFR, MS2 | 2103, K | CC1 |
| 23-74 (150-2) | 6.3 MM | NG Condensate Gasoline | EFR, MS2 | 2103, K | CC1 |
| 24-74 (150-3) | 6.3 MM | LOC Platformate HOC Platformate | EFR, LM2 | 2103, K | CC1 |
| 25-74 (150-4) | 6.3 MM | HOC Platformate LOC Platformate | EFR, LM2 | 2103, K | CC1 |
| 26-74 (20-1) | 840,000 | Asphalt | FR | K | CC2 |

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TABLE A

| EMISSION POINT | CAPACITY (gal) | PRODUCT STORED | ROOF TYPE | APPLICABLE REGULATION (a) | |
|---|---|---|---|---|---|
| 27-74 (75-1) | 3.15 MM | Ultra Low Sulfur Diesel (ULSD) | FR | K | CC2 |
| 28-74 (75-2) | 3.15 MM | ULSD | FR | K | CC2 |
| 29-74 (500-1) | 21 MM | Crude Oil<br>Slop Oil | EFR, MS2 | 2103, K | CC2 |
| 30-74 (500-2) | 21 MM | Crude oil | EFR, MS2 | 2103, K | CC2 |
| 31-74 (500-3) | 21 MM | Crude Oil | EFR, MS2 | 2103, K | CC2 |
| 32-74 (500-4) | 21 MM | Gasoline | EFR, MS2 | 2103, K | CC1 |
| 33-74 (500-5) | 21 MM | Crude Oil<br>Slop Oil | EFR, MS2 | 2103, K | CC2 |
| 34-74 (500-6) | 21 MM | Crude Oil<br>Slop Oil | EFR, MS2 | 2103, K | CC2 |
| 35-74 (500-7) | 21 MM | Crude Oil | EFR, MS2 | 2103, K | CC2 |
| 36-74 (300-1) | 12.6 MM | ULSD | FR | K | CC2 |
| 37-74 (300-2) | 12.6 MM | Asphalt<br>No. 6 Oil | FR | K | CC2 |
| 38-74 (300-4) | 12.6 MM | ULSD | FR | K | CC2 |
| 39-74 (300-5) | 12.6 MM | Asphalt | FR | K | CC2 |
| 40-74 (300-7) | 12.6 MM | ULSD | FR | K | CC2 |
| 41-74 (300-3) | 12.6 MM | Asphalt | FR | K | CC2 |
| 42-74 (300-6) | 12.6 MM | Asphalt | FR | K | CC2 |
| 43-74 (55-4) | 2.31 MM | Sour Naphtha | IFR, MS1 | 2103, K | CC1 |
| 44-74 (55-5) | 2.31 MM | Deasphalted Oil | FR | K | CC2 |
| 45-74 (55-6) | 2.31 MM | Gasoil | FR | K | CC2 |
| 46-74 (5-1) | 210,000 | No. 6 Fuel Oil | FR | K | CC2 |
| 47-74 (55-3) | 2.31 MM | Ballast Water<br>Crude Oil | EFR, MS2 | 2103, Kb | CC2 |
| 48-74 (25-1) | 1.05 MM | Slop Oil | FR | K | CC2 |
| 49-74 (25-2) | 1.05 MM | Slop Oil | FR | K | CC2 |
| 50-74 (3-1) | 123,329 | Slop Oil | FR | | CC2 |

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TABLE A

| EMISSION POINT | CAPACITY (gal) | PRODUCT STORED | ROOF TYPE | APPLICABLE REGULATION (a) | |
|---|---|---|---|---|---|
| 63-74 (500-8) | 21 MM | Crude Oil | EFR, LM2 | 2103, K | CC2 |
| 64-74(150-8) | 6.3 MM | Gasoline | EFR, LM2 | 2103, K | CC1 |
| 65-74 (150-10) | 6.3 MM | Gasoline | EFR, MS2 | 2103, K | CC1 |
| 66-74 (300-8) | 12.6 MM | ULSD | FR | K | CC2 |
| 67-74 (150-9) | 6.3 MM | ULSD | FR | K | CC2 |
| 68-74 (300-9) | 12.6 MM | Gasoline | EFR, MS2 | 2103, K | CC1 |
| 71-74 (500-9) | 21 MM | Crude Oil | EFR, MS2 | 2103, K | CC2 |
| 72-74 (20-2) | 840,000 | Asphalt | FR | K | CC2 |
| 73-74 (300-10) | 12.65 MM | Gasoil | FR | K | CC2 |
| 74-74 (300-11) | 12.65 MM | Gasoil | FR | K | CC2 |
| 75-74 (300-12) | 12.65 MM | Gasoil | FR | K | CC2 |
| 76-74 (300-13) | 12.65 MM | Gasoil | FR | K | CC2 |
| 77-74 (200-1) | 8.4 MM | NG Condensate<br>Alkylate | EFR, MS2 | 2103, K | CC1 |
| 78-74 (200-2) | 8.4 MM | Mixed Naphtha | EFR, LM2 | 2103, K | CC1 |
| 79-74 (200-3) | 8.4 MM | Alkylate<br>Mixed Naphtha | EFR, MS2 | 2103, K | CC1 |
| 80-74 (200-4) | 8.4 MM | Mixed Naphtha | EFR, MS2 | 2103, K | CC1 |
| 90-74 (150-11) | 6.3 MM | Sour Naphtha | EFR, MS2 | 2103, K | CC1 |
| 93-80 (150-12) | 6.3 MM | Sour LAGO<br>Sour Kerosene | EFR, MS2 | 2103, Ka | CC2 |
| 94-80 (150-13) | 6.3 MM | Sour Kerosene<br>Sour LAGO | EFR, MS2 | 2103, Ka | CC2 |
| 95-80 (150-14) | 6.3 MM | Sour Kerosene<br>Sour LAGO | EFR, MS2 | 2103, Ka | CC2 |
| 96-80 (150-15) | 6.3 MM | Sour LAGO<br>Sour Kerosene | EFR, MS2 | 2103, Ka | CC2 |
| 97-80 (200-5) | 8.4 MM | Rose/Coker Feed | FR | Ka | CC2 |
| 98-80 (200-6) | 8.4 MM | Rose/Coker Feed | FR | Ka | CC2 |
| 1-88 | 11.18 MM | Butane | * | 2103, Kb | |

## PART 70 SPECIFIC CONDITIONS

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
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TABLE A

| EMISSION POINT | CAPACITY (gal) | PRODUCT STORED | ROOF TYPE | APPLICABLE REGULATION (a) | |
|---|---|---|---|---|---|
| 2-88 | 11.18 MM | Butane | * | 2103, Kb | |
| 119-91 (33-1901) | 1.26 MM | Sour Water | IFR, MS1 | | CC2 |
| 120-91 (150-16) | 6.3 MM | ULSD | FR | Kb | CC2 |
| 121-91 (19-1903) | 210,000 | Sour Water<br>No. 2 Fuel Oil | IFR, MS1 | | CC2 |
| 126-93 (60-1924) | 6,098 | Phenolic Water | FR | FF | CC2 |
| 127-93 (63-1214) | 21,000 | Phenolic Water | IFR, LM2 | FF | CC2 |
| 99-80 (100-1) | 4.2 MM | Slurry | FR | Ka | CC2 |
| 3-05 (500-10) | 21 MM | Gasoline | EFR, MS2 | 2103 | CC1 |
| 34-08 (200-7) | 8.4 MM | No. 6 Fuel Oil | FR | | CC2 |
| 35-08 (300-14) | 12.6 MM | Gas Oil | FR | | CC2 |
| 36-08 (300-15) | 12.6 MM | Gasoline<br>NG Condensate | EFR, MS2 | 2103 | CC1 |
| 37-08 (300-16) | 12.6 MM | Gasoline | EFR, MS2 | 2103 | CC1 |
| 38-08 (300-17) | 12.6 MM | Gasoline<br>Sweet Kerosene | EFR, MS2 | 2103 | CC1 |
| 39-08 (500-11) | 21 MM | Crude Oil | EFR, MS2 | 2103 | CC2 |
| 40-08 (500-12) | 21 MM | Crude oil<br>Gasoline | EFR, MS2 | 2103 | CC1 |
| 41-08 (500-13) | 21 MM | Crude Oil<br>Gasoline | EFR, MS2 | 2103 | CC1 |
| 42-08 (500-14) | 21 MM | Gasoline<br>Crude Oil | EFR, MS2 | 2103 | CC1 |
| 43-08 (500-15) | 21 MM | Gasoline<br>ULSD<br>Sweet Kerosene | EFR, MS2 | 2103 | CC1 |

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TABLE A

| EMISSION POINT | CAPACITY (gal) | PRODUCT STORED | ROOF TYPE | APPLICABLE REGULATION (a) | |
|---|---|---|---|---|---|
| 44-08 (500-16) | 21 MM | Sweet Kerosene<br>Gasoline<br>ULSD | EFR, MS2 | 2103 | CC1 |
| 47-08 (5-4) | 1.26 MM | Sour Water<br>No. 2 Fuel Oil | IFR, MS1 | FF | CC2 |
| 57-08 (300-18) | 12.6 MM | Sweet Kerosene<br>Gasoline<br>ULSD | EFR, MS2 | 2103 | CC1 |

CC1 andCC2 – Represents 40 CFR 63, Subpart CC Group 1 or Group 2 Storage Tanks and/or Group 1 or Group 2 Wastewater Streams
K, Ka, Kb – Represents 40 CFR 60, Subpart K, Ka or Kb
2103 – Represents LAC 33:III.2103
FF – Represents 40 CFR 61, Subpart FF (BWON)
LM1 – Liquid Mounted primary seal & rim mounted secondary seal
MS1 – Mechanical shoe primary seal only
MS2 – Mechanical shoe primary seal & rim mounted secondary seal
Primary service is listed first
* - Refrigerated Pressurized Tank

3. Permittee shall recycle the emissions and the material and monitor the outlet temperature of the benzene stripper condenser in the crude receiving system (closed system). The temperature shall be continuously monitored and maintained at a temperature less than 175.8 °F. Temperature shall be continuously monitored, and the record shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Permittee shall comply with the reporting requirements of 40 CFR 61.357(d)(7)(ii).

4. Permittee has entered into a Storage Tank Emissions Reduction Partnership (STERP) Agreement to control emissions from NSPS Subpart Ka and Kb tanks as shown below:

| ISSION POINT | TANK | MATERIAL STORED |
|---|---|---|
| 93-80 | 150-12 | Kerosene |
| 94-80 | 150-13 | Kerosene |
| 95-80 | 150-14 | Kerosene |
| 47-74 | 55-3 | Ballast Water |

**PART 70 SPECIFIC CONDITIONS**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
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a. The sliding cover shall be in place over the slotted-guidepole opening through the floating roof at all times except when the sliding cover must be removed for access. If the control technology used includes a guidepole float, the float shall be floating within the guidepole at all time except when it must me removed for access to the stored liquid or when the tank is empty;

b. Visually inspect the deck fitting for the slotted guidepole at least once every 10 years and each time the vessel is emptied and degassed. If the slotted guidepole deck fitting or control devices have defects, or if a gap of more than 0.32 cm exists between any gasket required for control of the slotted guidepole deck fitting and any surface that is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material;

c. Tanks taken out of hydrocarbon service, for any reason, do not have to have any control in place during the time they are out of service.

5. For the Early Reduction Program (ERP) the following specific conditions will apply:

In accordance with section 112(i)(5) of the Clean Air Act and title 40, part 63, subpart D of the Code of Federal Regulations (Early Reduction Rule), this permit grants each emission unit in the Early Reductions Source a six-year extension from the compliance dates of the National Emissions Standards for Hazardous Air Pollutants for Petroleum Refineries (40 Code of Federal Regulations (CFR) 63 Subparts CC, Subpart UUU), the National Emissions Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers (40 CFR Subpart Q), and any future standard(s) promulgated under section 112(d) of the Clean Air Act Applicable to these units. In lieu of complying with these otherwise applicable section 112(d) standard(s), Permittee accepts the following Alternate Emission Limitations (AELs), monitoring, recordkeeping, emission calculations, and reporting requirements for the Early Reduction Source. In addition to implementing a compliance extension granted under title 40, part 63, subpart D of the Code of Federal Regulations, this permit also implements the General Provisions requirements of title 40, part 63, subpart A of the Code of Federal Regulations for each emission unit included in the Early Reductions Source.

| Emission Unit Description | Source ID # | Expiration Date |
|---|---|---|
| Marine and Barge Loading Operations (Loading docks 1, 2 & 3 and Marine Vapor Combustor) | 107-90 | August 18, 2004 |

# PART 70 SPECIFIC CONDITIONS

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

| Emission Unit Description | Source ID # | Expiration Date |
|---|---|---|
| Platformer Regenerator Vent | 62-74 | April 11, 2011 |
| Fluid Catalytic Cracking Unit (FCCU) Vent | 86-74 | April 11, 2011 |
| Cooling Water Towers[1] | | March 8, 2001 |
| Old South (Crude) Cooling Tower | 61A-74 | |
| FCCU Cooling Tower | 61B-74 | |
| HF Alkylation Cooling Tower | 61C-74 | |
| New South Cooling Tower | 61D-74 | |

1 The ERP Permit previously listed the Old South (Crude) Cooling Tower as No. 1 Cooling Tower and the New South (Crude) Cooling Tower as No. 4 Cooling Tower.

### A. Alternate Emission Limitations (AELs)

The AELs for the Source A Early Reductions Source described in the proceeding table are:

6.289 tons/calendar year of Total Gaseous Hazardous Air Pollutant Emission, 17.820 tons/calendar year of Weighted Gaseous Hazardous Air Pollutant Emissions, 0.130 tons/calendar year of Total Particulate Hazardous Air Pollutant Emissions, and 12.968 tons/calendar year of Weighted Particulate Hazardous Air Pollutant Emissions.

The AELs shall be effective until six years after the compliance date for the last standard promulgated under section 112(d) of the Clean Air Act that is applicable to any emission unit in the Early Reduction Source[1].

1. Note that the compliance extension for each emission unit included in the Early Reductions Source expires six years after the compliance date of an applicable section 112(d) standard. However, the AELs do not expire until six years after the compliance date for the last section 112(d) standard that applies to the Early Reductions Source. Therefore, periods of time may occur when emissions from certain units are: (a) subject to an applicable section 112(d) standard; and (b) included in determining compliance with AELs.

The AELs are hereby renewed and incorporated in this permit.

Compliance with the AELs shall be determined on a calendar year basis by summing hazardous air pollutant (HAP) emissions from each emission unit included in the Early Reductions Source for each semiannual period

during the calendar year. Semi-annual emissions shall be determined in accordance with section F of this permit.

**B. Other Specific Conditions**

Each emission unit in the Early Reductions Source shall be uniquely identified with a tag, label, or other marking on the equipment or shall be uniquely identifiable from a plot plan or other drawings available at the Early Reduction Source.

Permittee shall also meet the following specific conditions:

a. No chromium-based corrosion inhibitive additives shall be added to the water in the cooling towers (emission points 61A-74, 61B-74, 61C-74, and 61D-74).

b. Vapor displaced due to the loading of commodities with true vapor pressures of >0.5 psia into ships and barges shall be routed to the marine vapor combustion unit (emission point 107-90).

The marine combustion unit shall be operated with no less than 99 percent HAP destruction efficiency and shall comply with requirements of 40 CFR 60.18.

The marine combustion unit shall be operated with a flame present at all times. The presence of a flame shall be monitored by an infrared detector.

c. Only marine vessel tanks that are deemed vapor tight, determined by using the methods in §63.565(c)(1) or §63.565(c)(2) of the National Emission Standards for Hazardous Air Pollutants for Marine Tank Vessel Loading Operations and performed within the previous twelve months, shall be loaded on-site. Permittee must obtain a copy of the vapor tightness demonstration prior to loading.

Marine vessel loading operations shall be performed only if the marine vessel's vapor collection system is compatible with Permittee's vapor collection system. Marine loading operations shall only be performed when the vessel's vapor collection equipment is connected to Permittee's vapor collection system.

d. Each valve in the marine loading vapor collection system that would route displaced vapors to the air, either directly or indirectly, shall be securely closed during marine vessel loading operations either by a car-seal or lock-and-key type configuration, or the bypass line shall be equipped with a flow indicator. Valves used for pressure/vacuum relief, analyzers, instrumentation devices, sampling, and venting for maintenance are exempt from this requirement.

Marine vessel loading operations shall not occur with an open bypass line.

Repairs shall be made to valves, car-seals, or closure mechanisms no later than 15 days after a change in the position of the valve or a break in the car-seal or closure mechanism is detected or not later than prior to the next marine tank vessel loading operation, whichever is later.

e. Permittee shall perform an annual leak test of the marine loading vapor recovery system ductwork, piping, and connections using Method 21.

At anytime, if a potential leak is discovered in the marine vapor recovery system by visual, audible, olfactory, or other method, all ductwork, piping, and connections shall be inspected to the extent necessary to positively identify the potential leak and any identified potential leak shall be monitored within 5 days by method 21.

Each detection of a leak shall be recorded and tagged until repair. A first effort to repair a leak must be attempted within 15 days or prior to the next tank vessel loading operation.

## C. Monitoring Requirements

For emission units included in the Early Reduction Source, the permittee shall monitor and keep records of the parameters indicated in regulatory Table C-1. To ensure that the monitoring equipment meets the accuracy requirements specified in Table C-1, all monitoring equipment shall be installed, calibrated, and maintained:

a. According to the manufacturer's specifications, or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately;

b. In a manner consistent with good air pollution control practices during all periods while emissions are generated.

Monitoring equipment shall be maintained to provide valid monitoring data for at least 75 percent of the total operating time of each significant emission unit, consisting of emission units 107-90, 62-74, and 86-74. Data obtained from properly functioning monitoring equipment that meets applicable accuracy requirements shall be considered valid.

**D. Recordkeeping Requirements**

The permittee shall keep copies of all applicable reports and records required under this permit for at least five years. All applicable records shall be maintained in such a manner that they can be readily accessed. The most recent two years of records shall be maintained on site, at the Early Reductions Source, or shall be accessible from a central location by computer. The remaining three years of records may be retained offsite. Records may be maintained in hard copy or computer-readable form including but not limited to, paper, microfilm, computer, floppy disk, magnetic tape, or microfiche.

The permittee shall keep the following records relating to emission units included in the Early Reductions Source:

a. Records of the monitoring parameters indicated in Table C-1;

b. Records of the supporting calculations used to determine semiannual HAP and weighted HAP emissions;

c. Records of the occurrence and duration of each startup, shutdown, and malfunction of operation of an emission unit within the Early Reduction Source;

d. Records of the occurrence, duration, and cause of each malfunction of air pollution equipment or monitoring equipment used to comply with the AELs or monitoring provisions of this permit;

e. After the effective date of the permittee's startup, shutdown, and malfunction plan and for each start-up, shutdown or malfunction that occurs after that date, records indicating that the procedures in the permittee's start-up, shutdown, and the malfunction plan were followed, and documentation of actions taken that are not consistent with the plan; and

f. For monitoring equipment used to comply with the monitoring requirements of this permit, records documenting the completion of installation, calibration checks, and maintenance.

**E. Reporting Requirements**

Permittee shall submit to the permitting authority semiannual reports of the performance of the Early Reduction Source, one for each half of the calendar year. The semiannual reports shall be submitted to the permitting authority within 31 days after the end of the six-month period covered (July 31 for the report covering January 1 through June 30 and January 31 for the report covering July 1 through December 31). The format of the semiannual emissions reports is displayed on pages following Table C-1 below.

Permittee shall submit to the permitting authority semiannual reports for the Early Reductions Source as follows:

a. The first semiannual report for a calendar year, covering January 1 through June 30, shall include:

(i) A description of any deviations from permit requirements that occurred during the reporting period and that were not previously reported, the probable cause of such deviation, and corrective actions or preventive measures taken;

(ii) A description of any malfunction of processes, air pollution control equipment, or monitoring equipment that occurred during the reporting period, the date and duration of the incidents, and the probable cause and actions taken to remediate such incidents; and

(iii) Either:

total HAP emissions for the Early Reduction Source for the first half of the calendar year, as determined by using the calculation procedures described in Section F of this Specific Condition;

or

except for the first semiannual report submitted under this permit, a certification by a responsible official that total HAP emissions from the Early Reduction Source during the reporting period would be 40 percent or less of the AELs (less than 2.52 tons/year of total gaseous HAPs, 7.13 tons/year of weighted gaseous HAPs, 0.05 tons/yr of total particulate emissions, and 5.19 tons/year of weighted particulate HAPs), based on the results of monitoring for emission units 107-90, 62-74, and 86-74 and information related to emissions for the other emission units in the Early Reductions Source.

b. The second semiannual report for a calendar year, covering July 1 through December 31, shall include:

(i) A description of any deviations from permit requirements that occurred during the reporting period and that were not previously reported, the probable cause of such deviations, and corrective actions or preventive measures taken;

(ii) A description of any malfunction or processes, air pollution control equipment, or monitoring equipment that occurred during the six-month reporting period, the date and duration of the incidents, and the probable cause of the incidents, and actions taken to remediate such incidents;

(iii) Total HAP emission for the Early Reductions Source for the second half of the calendar year (or for the entire calendar year if emission were not reported for the first six-months of the calendar year in the previous semiannual report), as determined by using the calculation procedures in Section F of this Specific Condition; and

(iv) A certification for the calendar year reporting period of the Early Reductions Source's compliance with respect to the AELs and all other terms and conditions of this permit. The certification shall include identification of each term or condition that is the basis of the certification, the compliance status, and whether compliance was continuous or intermittent (except for the AELs).

The first semiannual report submitted under this permit must contain HAP emissions for the calendar half year, or for the full year (if it is the first report under this permit) and all supporting calculations for HAP emissions. After the first semiannual emissions report, a certification statement may be substituted for the report covering the first six-month period of a calendar year (see Section E.a.(iii)). If the permitting authority determines that these calculations are deficient or incomplete, the permittee shall correct the deficiencies and resubmit the calculations. Supporting calculations for HAP emissions will be required in subsequent reports only when an alternative method of emission calculation, as described in Section F of this Specific Condition. Emission calculation Procedures, is used, and then only the emission calculations associated with the alternative method need be included. Any violation of an AEL shall be reported (by phone call or facsimile transmission) to the permitting authority within 24 hours of detection. This initial notification shall be followed by written notification within 30 days.

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**Table C-1 Monitoring and Recordkeeping Requirements**

| Emission Unit | ID # | Monitoring Requirement | Recordkeeping Requirement |
|---|---|---|---|
| Marine and Barge Loading Operations | 107-90 | **PARAMETER:** Volume of gasoline, naphtha, kerosene, platformate and any other product with a vapor pressure >0.5 psia loaded into each vessel type during the reporting period.<br>**METHOD:** Flow meter | Records of volumes of gasoline, naphtha, kerosene, platformate and any other product with a vapor pressure >0.5 psia loaded into each vessel type during the reporting period shall be maintained.<br><br>Records of emission factors and HAP weight percentages for all products with a vapor pressure >0.5 psia loaded during the reporting period shall be maintained. |
| | | **PARAMETER:** Presence of pilot flame<br>**METHOD:** Infrared detector<br>**FREQUENCY:** Continuous | Hourly records of whether the pilot flame was continuously present and whether infrared detector was continuously operating shall be maintained.<br><br>Records of all time periods during which pilot flame is absent or monitor is not operating shall be maintained. |
| | | **PARAMETER:** Visible emissions<br>**METHOD:** Color camera<br>**FREQUENCY:** Continuous | Records of all time periods during which flare is smoking shall be maintained. |

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**Table C-1 Monitoring and Recordkeeping Requirements (contd.)**

| Emission Unit | ID # | Monitoring Requirement | Recordkeeping Requirement |
|---|---|---|---|
| Marine and Barge Loading Operations (cont.) | 107-90 | **PARAMETER:** Marine tank vapor tightness<br>**METHOD:** §63.565(c)(1) or (c)(2)<br>**FREQUENCY:** Within previous 12 month period. | Copies of test from marine vessel owner/operator shall be obtained prior to loading. A log of tests for all loaded marine vessels shall be maintained. |
| | | **PARAMETER:** Annual Leak Detection Test<br>**METHOD:** EPA Method 21<br>**FREQUENCY:** Annual | Test results and records indicating presence of leaks and schedule for repairs shall be maintained. |
| | | **PARAMETER:** Leak Detection<br>**METHOD:** EPA Method 21<br>**FREQUENCY:** When potential leak discovered by visual, audible, or olfactory methods. | |
| | | **PARAMETER:** Leak Detection on Bypass Valves<br>**METHOD:** EPA Method 21<br>**FREQUENCY:** Annual, or after valve has been used, or when car-seal or closure mechanism breaks | Log of valve, car-seal, or closure mechanism malfunction (including date and location) and date of repair shall be maintained. |

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**Table C-1 Monitoring and Recordkeeping Requirements (contd.)**

| Emission Unit | ID # | Monitoring Requirement | Recordkeeping Requirement |
|---|---|---|---|
| Platformer Regenerator Vent | 62-74 | **PARAMETER:** Perchloroethylene injection rate<br>**METHOD:** Plant Information (PI) system<br>**FREQUENCY:** Continuous | Daily records of perchloroethylene injection rate shall be maintained on PI system |
| FCCU Vent | 86-74 | **PARAMETER:** Nickel, Lead, Cadmium, Selenium, Arsenic, Chromium, and Mercury Content in Equilibrium Catalyst (Grab Sample)<br>**METHOD:** ICP (Inductively Coupled Plasma) - Acid Digestion Method<br>**FREQUENCY:** 1 per quarter<br><br>**PARAMETER:** Number of venturi scrubbers on-line<br>**METHOD:** PI system<br>**FREQUENCY:** Continuous<br><br>**PARAMETER:** Average air blower rate<br>**METHOD:** PI system<br>**FREQUENCY:** Continuous<br><br>**PARAMETER:** Coke burn rate<br>**METHOD:** PI system<br>**FREQUENCY:** Continuous | Records of analytical results shall be maintained.<br><br>Daily records of average numbers of scrubbers on-line shall be maintained on PI system<br><br>Daily records of average air blower rate shall be maintained on PI system.<br><br>Daily records of average coke burn rate shall be maintained on PI system. |

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**Table C-1 Monitoring and Recordkeeping Requirements (contd.)**

| Emission Unit | ID # | Monitoring Requirement | Recordkeeping Requirement |
|---|---|---|---|
| Cooling Towers | 61A-74<br>61B-74<br>61C-74<br>61D-74 | None | None (keep initial notification/compliance on file for five years) |

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**EARLY REDUCTIONS SEMIANNUAL EMISSIONS REPORT**
**MARATHON OIL COMPANY**
**GARYVILLE, LOUISIANA**
**AIR PERMIT NO.: 2209500013**

Date:_____

Semiannual Period:_____

Total Emissions For This Semiannual Period:_____

| SEMI-ANNUAL PERIOD | HAP EMISSIONS (tons) | WEIGHTED HAP EMISSION (tons) |
|---|---|---|
| | | |
| | | |
| TOTAL | | |

AELs: **6.289 tons/calendar year of total gaseous HAPs**
**17.28 tons/calendar year of weighted gaseous HAPs**
**0.130 tons/calendar year of total particulate HAPs**
**12.968 tons/calendar year of weighted particulate HAPs**

Detailed Description Of Emissions For This Semiannual Period:

| Emission Unit ID # | HAP EMISSIONS (tons) | WEIGHTED HAP EMISSIONS (tons) |
|---|---|---|
| 107-90 | | |
| 62-74 | | |
| 86-74 | | |
| 61-74(A, B, C, &D) | | |

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### F. Emission Calculation Procedures

The calculation procedures described below shall be used to quantify emissions from each emission unit. Total unweighted HAP emissions shall be computed by calculating the emissions from each emission unit as specified in this section and then summing the emissions from each emission unit.

Total weighted emissions shall be calculated by multiplying the total unweighted pollutant-specific emissions by the appropriate weighting factor for the pollutant and then summing all weighted emission data. The following equation shall be used to calculate total weighted emissions:

$$WE = \sum_{i=1}^{n} (E_i F_i)$$

where,

| | | |
|---|---|---|
| WE | = | total weighted emissions, |
| $E_i$ | = | unweighted emissions of pollutant i, and |
| $F_i$ | = | weighting factor for pollutant i (obtained from Table 1 in title 40, section 63.74 of the Code of Federal Regulations) |

Data recorded during an emergency or malfunction (either of the process equipment, emission reduction equipment, or monitors) shall not be used in determining actual emissions. Actual emissions for such periods shall be calculated as if there were no emergency or malfunction (i.e., assuming the equipment had operated normally). However, periods of excess emissions, not due to an emergency or malfunction, must be calculated and reported as actual emissions.

Permittee shall use the weighting factors listed in Table F-1 to compute weighted emissions.

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### Table F-1 HAP Weighting Factors

| Hazardous Air Pollutant | CAS # | M.W. | Weighting |
|---|---|---|---|
| Chromium | 7440-47-3 | 51.996 | 100 |
| Nickel | 7440-02-0 | 58.71 | 10 |
| Cadmium | 7440-43-9 | 112.40 | 10 |
| Arsenic | 7440-38-2 | 74.922 | 100 |
| Mercury | 7439-97-6 | 200.59 | 100 |
| Benzene | 71-43-2 | 78.115 | 10 |

Emissions Calculation Procedures for 107-90

Semiannual HAP emissions from each marine loading process shall be the sum of component HAP emissions from that process. Semiannual HAP emissions from unit 107-90 ($E_t$) will be calculated by summing the HAP emissions from the following marine loading processes: gasoline barge loading, gasoline ship loading, kerosene tanker loading, kerosene barge loading, platformate loading, naphtha loading, and loading of any other product with a vapor pressure of >0.5 psia.

The efficiency of the marine combustor, when properly functioning, is assumed to be 99%.

Gasoline Barge Loading:

Semiannual emissions from gasoline barge loading at unit 107-90 ($E_{GB}$) in tons, shall be calculated for each component HAP using the following equation:

$$E_{GB} = \{(EF_{GB}/1000) \times G_B \times H \times (1 - FE)\} / 2000$$

where,

$EF_{GB}$ =avera ge emission factor [lb/1000 gallon] (See equation below)

$G_B$ =total volume of gasoline loaded into barges during semiannual period (gallons)

$H_G$ =wt% of the component HAP in loaded liquid (see Table F-3, corresponding equation for calculation of $H_G$)
FE =destruction effi ciency of the flare (99%)

The average emission factor for gasoline barge loading at unit 107-90 shall be calculated using the following equation:

$$EF_{GB} = EF_1(\%G_1) + EF_2(\%G_2) + EF_3(\%G_3)$$

where,

$EF_1$ = emission factor for gasoline ocean barge loading into clean and vapor-free tanks (See Table F-2)
$EF_2$ = emission factor for gasoline ocean barge loading into ballasted tanks (See Table F-2)
$EF_3$ = emission factor for gasoline ocean barge loading into uncleaned tanks (See Table F-2)
$\%G_1$ = percent of the total gasoline loaded into ocean barges which goes into clean and vapor free tanks
$\%G_2$ = percent of the total gasoline loaded into ocean barges which goes into ballasted tanks
$\%G_3$ = percent of the total gasoline loaded into ocean barges which goes into uncleaned tanks

Gasoline Ship Loading:

Semiannual emissions from gasoline ship loading at unit 107-90 ($E_{GS}$), in tons, shall be calculated for each component HAP using the following equation:

$$E_{GS} = \{(EF_{GS}/1000) \times G_S \times H_G \times (1-FE)\}/2000$$

where,

$EF_{GS}$ = average emission factor [lb/1000 gallon] (see equation below)
$G_s$ = total volume of gasoline loaded into ships during semiannual period [gallons]

$H_G$ = wt% of the component HAP in loaded liquid (see Table F-3, corresponding equation for calculation of $H_G$)
FE = destruction efficiency of the flare (99%)

The average emission factor for gasoline ship loading at unit 107-90 shall be calculated using the following equation:

$$EF_{GS} = EF_4 (\%G_4) + EF_5(\%G_5) + EF_6(\%G_6)$$

where,

$EF_4$ = emission factor for gasoline ship loading into clean and vapor-free tanks (see Table F-2)
$EF_5$ = emission factor for gasoline ship loading into ballasted tanks(see Table F-2)
$EF_6$ = emission factor for gasoline ship loading into uncleaned tanks (see Table F-2)
$\%G_4$ = percent of the total gasoline loaded into ships which goes into clean and vapor free tanks
$\%G_5$ = percent of the total gasoline loaded into ships which goes into ballasted tanks
$\%G_6$ = percent of the total gasoline loaded into ships which goes into uncleaned tanks

Kerosene Loading:

Semiannual emissions from kerosene loading at unit 107-90 ($E_K$), in tons, shall be calculated for each component HAP using the following equation:

$$E_K = \{(EF_K/1000) \times K \times H_K\}/2000$$

where,

$EF_K$ = average emission factor [lb/1000 gallon] (see equation below)
K = total volume of kerosene loaded into marine vessels during semiannual period [gallons]
$H_K$ = wt% of the component HAP in loaded liquid (see Table F-3)

The average emission factor for kerosene tanker and barge loading at unit 107-90 shall be calculated using the following equation:

$$EF_K = EF_7(\%K_1) + EF_8(\%K_2)$$

where,

$EF_7$ = emission factor for kerosene tanker loading (see Table F-2)
$EF_8$ = emission factor for kerosene barge loading (see Table F-2)
$\%K_1$ = percent of the total volume of kerosene loaded which goes into tankers
$\%K_2$ = percent of the total volume of kerosene loaded which goes into barges

Platformate Loading:

Semiannual emissions from platformate loading at unit 107-90 ($E_P$), in tons, shall be calculated for each component HAP using the following equation:

$$E_P = \{(EF_P/1000 \times P \times H_P \times (1\text{-}FE)\}/2000$$

where,

$EF_P$ = average emission factor [lb/1000 gallon] (see Table F-2)
P = total volume of platformate loaded into marine vessels during semiannual period [gallons]
$H_P$ = wt% of the component HAP in loaded liquid (see Table F-3)
FE = destruction efficiency of the flare (99%)

Naphtha Loading:

Semiannual emissions from naphtha loading at unit 107-90 ($E_N$), in tons, shall be calculated using the following equation:

$$E_N = \{(EF_N/1000) \times N \times H_N \times (1\text{-}FE)\}/2000$$

where,

$EF_N$ = average emission factor [lb/1000 gallon] (see Table F-2)
N = Total volume of naphtha loaded into marine vessels during semiannual period [gallons]
$H_N$ = wt% of the component HAP in loaded liquid (see Table F-3)
FE = destruction efficiency of the flare (99%)

Other Products with Vapor Pressure Greater than 0.5 psia:

If any other products with a vapor pressure >0.5 psia (e.g., alkylate, natural gas condensate, etc.) are loaded into marine vessels during the reporting period, the following general formula shall be used to calculate emissions:

$$E_i = \{(EF_i/1000 \times V_i \times H_i \times (1\text{-}FE)\}/2000$$

where,

$EF_i$ = average emission factor [lb/1000 gallon]
$V_i$ = total volume of product loaded into marine vessels during semiannual period [gallons]
$H_i$ = wt% of the component HAP in loaded liquid
FE = destruction efficiency of the flare (99%)

Emission factors and HAP weight percentages for all products with a vapor pressure >0.5 psia loaded during the reporting period shall be documented.

Emission Factors:

Emission factors used in the calculations are summarized in Table B-3. The emission factors for gasoline and kerosene loading operations are found in EPA document 450/4-90-003 "AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants". Emission Factors for platformate and naphtha were based on good engineering judgment.

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**Table F-2 Emission Factors**

| Process Variable | Description | Value [lb/1000 gallon] |
|---|---|---|
| $EF_1$ | Gasoline Ocean Barge Loading – Clean and Vapor Free Tank | 1.2 |
| $EF_2$ | Gasoline Ocean Barge Loading - Ballasted Tank | 2.10 |
| $EF_3$ | Gasoline Ocean Barge Loading - Uncleaned Tank | 3.30 |
| $EF_4$ | Gasoline Ship Loading – Clean and Vapor Free Tank | 1.00 |
| $EF_5$ | Gasoline Ship Loading – Ballasted Tank | 1.6 |
| $EF_6$ | Gasoline Ship Loading – Uncleaned Tank | 2.4 |
| $EF_7$ | Kerosene Tanker Loading | 0.0050 |
| $EF_8$ | Kerosene Barge Loading | 0.0130 |
| $EF_P$ | Platformate Loading | 1.00 |
| $EF_N$ | Naphtha Loading | 1.00 |

Calculating HAP Content:

For gasoline loading, H is calculated for each component HAP using the following equation:

$$H_G = (\%WB \times H_{wb}) + (\%SB \times H_{sb})$$

where,

%WB = wt% of gasoline loaded which is winter blend
%SB = Wt% of gasoline loaded which is summer blend
$H_{wb}$ = component HAP content of winter blend gasoline
$H_{sb}$ = component HAP content of summer blend gasoline

The HAP contents of the liquid products loaded at Unit 107-90 are contained in Table F-3.

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**Table F-3 Typical HAP Contents of Liquid Products in Vapor Phase**

| LIQUID LOADED | HAP | WEIGHT PERCENT |
|---|---|---|
| Gasoline - Summer Blend ($H_{sb}$) | Benzene | 0.77 |
| | Ethylbenzene | 0.04 |
| | Toluene | 0.66 |
| | Xylene | 0.05 |
| | n-Hexane | 1.84 |
| | 2,2,4-TMP | 0.49 |
| Gasoline - Winter Blend ($H_{wb}$) | Benzene | 1.58 |
| | Ethylbenzene | 0.22 |
| | Toluene | 2.11 |
| | Xylene | 0.31 |
| | n-Hexane | 1.86 |
| | 2,2,4-TMP | 0.0 |
| Kerosene ($H_K$) | Cresols | 0.127 |
| | Naphthalene | 0.109 |
| | Xylenes | 9.10 |
| Platformate ($H_p$) | Benzene | 1.15 |
| | Ethylbenzene | 0.14 |
| | Toluene | 1.65 |
| | Xylenes | 0.50 |
| | n-Hexane | 2.92 |
| Naphtha ($H_N$) | Benzene | 1.42 |
| | n-Hexane | 33.94 |
| | 2,2,4-TMP | 0.52 |

Excel spreadsheets can be used to show emission calculations.

Emission Calculation Procedures for 62-74

Emissions from the platformer regenerator vent will be determined semiannually. A correlation has been established between the emission rates of hydrochloric acid (HCl) and chlorine ($Cl_2$) perchloroethylene injection rate, and the catalyst circulation rate. HCl and $Cl_2$ emissions are to be calculated separately using the methodology below. The total HAP emissions from this unit will be the sum of the HCl and $Cl_2$ emissions.

Hydrochloric acid emissions shall be calculated as follows:

Based on the stack testing performed in April 1999, at a perchloroethylene (PCE) injection rate of 0.2723 gallons/hour, HCl

and $Cl_2$ emission rates were 0.92 lb/hr and 0.0064 lb/hour, respectively.

Semiannual HCl and $Cl_2$ emissions, in tons, shall be calculated as follows:

$$HCl = \{(R \times 0.92) \times 4380\}/2000$$
$$Cl_2 = \{(R \times 0.0064) \times 4380\}/2000$$

where:

| | | |
|---|---|---|
| R | = | prorating factor |
| 0.92 | = | HCl emission rate during stack test [lb/hour] |
| 0.0064 | = | $Cl_2$ emission rate during stack test [lb/hour] |
| 4380 | = | hours of regeneration, semiannual period |

The prorating factor (R) is a ratio of the average semiannual PCE injection rate and the average PCE injection rate during the stack testing conducted in April 1999. The prorating factor is calculated as follows:

$$R = C_a/C_s$$

where:

| | | |
|---|---|---|
| $C_a$ | = | average semiannual PCE injection rate [gal/hour] |
| $C_s$ | = | average PCE injection rate during the 4/99 stack test [0.2723 gallons/hour] |

Excel spreadsheets can be used to show emission calculations.

Emission Calculation Procedures for 86-74

Emissions of nickel, lead, cadmium, selenium, arsenic, chromium, and mercury will be calculated for the FCCU vent semiannually. The total HAP emissions will be the sum of the seven individual HAP calculations. Emissions for each HAP will be calculated using the following equation:

$$E_F = \{(M_c)(R)(C/1{,}000{,}000)(4380)\}/2000$$

where:

| | | |
|---|---|---|
| $E_F$ | = | semiannual emissions of individual HAP [tons] |
| $M_c$ | = | particulate emission rate during the 4/99 stack test (10.91 lb/hour) |
| R | = | prorating factor |
| C | = | HAP concentration in the spent equilibrium catalyst (from results of quarterly sample) [parts per million] |
| 4380 | = | hours of regeneration, semiannual period |

The prorating factor (R) is a ratio of the average semiannual coke burn rate and the coke burn rate during the stack testing conducted in April 1999. The prorating factor is calculated as follows:

$$R = B_a/B_s$$

where:

| | | |
|---|---|---|
| $B_a$ | = | average semiannual coke burn rate [M lb/hour] |
| $B_s$ | = | coke burn rate during the 4/99 stack test [61.33 M lb/hour] |

Excel spreadsheets can be used to show emission calculations.

Emissions Calculation Procedures for 61A-74, 61B-74, 61C-74, & 61D-74

The permittee has phased out the use of chromium-based corrosion inhibitive additives in the process cooling towers. Thus, particulate HAP emissions will be recorded as 0.0 lb per hour or 0.0 tons per year.

Excel spreadsheets can be used to show emission calculations.

## G. Compliance Certification

The permittee shall certify annually that the Early Reductions Source has complied with the requirements of this permit. The certification shall describe the following:

a. the permit term or condition that is the basis of the certification; and

b. the compliance status for the preceding calendar year, including whether compliance was continuous or intermittent (except for the AELs).

The compliance certification shall be signed by a responsible official as defined by title 40, section 71.22 of the Code of Federal Regulations. The compliance certification shall be submitted to the permitting authority.

**H. Alternative Operating Scenarios**

a. Marine Vapor Combustor bypasses approved under Louisiana Department of Environmental Quality (LDEQ) variances will be incorporated into the post-reduction emissions calculations.

b. Cooling Tower Additives: If additives are used which contain HAPs, they will be incorporated into the Post-reduction emissions calculations.

c. Marine Vapor Combustor: Emissions from loading reformulated gasoline will include emissions of Methyl Tert Butyl Ether (MTBE). MTBE was not included in the original post-reduction emissions calculations since reformulated gasoline was not blended at the refinery at the time of the permit application submittal (March 1995). In the future, if reformulated gasoline is loaded at the docks, MTBE emissions will be included in the post-reduction emissions calculations.

d. Since the time of the permit application submittal in March 1995, LDEQ has approved a higher FCCU coke burn rate. The permittee shall comply with all the applicable requirements of this and other relevant permits.

**I. Permit Shield**

Compliance with the terms and conditions of this permit shall be deemed compliance with title 40, part 63, subpart D of the Code of Federal Regulations, the Early Reductions Rule. In addition:

## PART 70 SPECIFIC CONDITIONS

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
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a. Nothing in this permit shall alter or affect: (i) the liability of the Early Reductions Source for any violation of applicable requirements, prior to or at the time of permit issuance; (ii) applicable acid rain requirements; (iii) the ability of EPA to obtain information under section 114; (iv) provisions of sections 112(r) and 303 of the Clean Air Act (emergency orders); or (v) provisions of title 40, section 63.1(a)(3) of the Code of Federal Regulations.

b. Issuance of this permit does not relieve the Early Reductions Source from an obligation to file a timely and complete permit application for a comprehensive title V permit as required under an approved title V permit program. This Title V permit incorporates all the requirements of the ERP.

c. In accordance with title 40, section 71.25(d)(2) of the Code of Federal Regulations, the permit shield is extended to all permit terms and conditions for alternate operating scenarios or those that allow increases and decreases in HAP emissions pursuant to emissions trading provisions.

6. Permittee shall comply with all the applicable requirements of the Leak Detection and Repair program as required by the Consent Decree shown in the table below:

**TABLE VI: SUMMARY OF PROPOSED BACT FOR FUGITIVE EMISSIONS (EQUIPMENT LEAK DEFINITION)**

Emission Points – Units 5, 9, 10, 19, 20, 21, 25, 26, 32, 33, 34, 41, 60, 63, 205, 205A, 210, 211, 212, 212A, 214, 215, 220, 221, 222, 222A, 222B, 232, 233, 234, 241, 243, 247, 250, 250A, 259, 260, 263, 265, 267, and 271

| Components – Service | BACT Selected Based on Most Stringent Regulation Program and EPA Consent Decree* |
|---|---|
| Valves-Light Liquid | 500 ppm |
| Valves-Heavy Liquid | No Visual Leaks |
| Valves-Gas | 500 ppm |
| Pumps-Light Liquid | 2,000 ppm |
| Pumps-Heavy Liquid | No Visual Leaks |
| Pressure Relief Valve-Gas | 500 ppm |
| Pressure Relief Valve-Liquid | 500 ppm |
| Connectors-Light Liquid | 500 ppm |

## PART 70 SPECIFIC CONDITIONS

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**TABLE VI: SUMMARY OF PROPOSED BACT FOR FUGITIVE EMISSIONS (EQUIPMENT LEAK DEFINITION)**

Emission Points – Units 5, 9, 10, 19, 20, 21, 25, 26, 32, 33, 34, 41, 60, 63, 205, 205A, 210, 211, 212, 212A, 214, 215, 220, 221, 222, 222A, 222B, 232, 233, 234, 241, 243, 247, 250, 250A, 259, 260, 263, 265, 267, and 271

| Components – Service | BACT Selected Based on Most Stringent Regulation Program and EPA Consent Decree* |
|---|---|
| Compressors-VOC | 5000 ppm |
| Closed Vent System | 500 ppm |

Regulation include LA Refinery MACT Determination of July 26, 1994; LAC 33:III.2121; LAC 33:III.Chapter 51, NSPS, 40 CFR 60, Subpart GGG, NESHAP, 40 CFR 63, Subpart CC; and the Consent Decree date of entry August 28, 2001

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# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
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### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| UNF005 | Facility Wide | | 1 | 1 | 1 | | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 |
| ARE006 | 3-00, Crusher Load-In | | | | 1 | | | | | | | | | | | 1 | | | |
| ARE007 | 2-00, Coker Stockpile | | | | 1 | | | | | | | | | | | 1 | | | |
| ARE008 | 4-00, Crushing | | | | 1 | | | | | | | | | | | 1 | | | |
| ARE009 | 5-00, Container Drop-Crusher to Conveyor | | | | 1 | | | | | | | | | | | 1 | | | |
| ARE010 | 9-00, Coker Haul Road | | | | 1 | | | | | | | | | | | | | | |
| ARE011 | 30-08, Wastewater Collection/Treatment (Train 1-5) | | | | | | | | | | | | | | | 1 | | | |
| EQT028 | 6-00, Conveyor | | | | 1 | | | | | | | | | | | 1 | | | |
| EQT029 | 7-00, Silo Loading | | | | 1 | | | | | | | | | | | 1 | | | |
| EQT030 | 8-00, Railcar/Truck/Barge Loading of Coke | | | | 1 | | | | | | | | | | | 1 | | | |
| EQT037 | 4-04, GDU Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT038 | 5-04, Clean Fuels Emergency Generator | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT044 | 62-74, Platformer Regenerator Stack | | | | | | | | | | | | | | | | | | |
| EQT045 | 1-88, Butane Storage Tank (250-1) | | | | | | 1 | | | | | | | | | | | | |
| EQT046 | 2-88, Butane Storage Tank (250-2) | | | | | | 1 | | | | | | | | | | | | |
| EQT048 | 107-90, Marine Loading Vapor Combustor | | | 1 | | | | | 1 | | | | | | | 1 | | | |
| EQT049 | 123-91, Propylene Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT054 | 134-96, Marine/Barge Loading (Uncontrolled) | | | | | | | | 2 | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT055 | 14-97, Propylene/Propane/Butane Loading Rack | | | | | | | 1 | | | | | | | | | | | |
| EQT058 | TV-1, UST/Vehicle Refueling Stations | | | | | | | 2 | | | | | 2 | | | | | | |
| EQT059 | TV-2, Gasoline Powered Generator (Dock) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT060 | TV-3, Gasoline Powered Generator (Dock) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT061 | TV-4, Diesel Powered Generator (Dock) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT062 | TV-5, Diesel Powered Fire Water Pump (Tank Farm) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT063 | TV-6, Diesel Powered Fire Water Pump (Tank Farm) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT064 | TV-7, Diesel Powered Fire Water Pump | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT065 | TV-8, Diesel Powered Generator (Facility Wide) | | | 1 | 1 | | | | | | | | | | | | | | |
| EQT072 | TV-11, Storage Tank Cleaning | | | | | | | | | | | | | | | | | | |
| EQT073 | TV-12, Routine Maintenance – Diesel Fired Equipment | | | | | | | | | | | | | | | | | | |
| EQT75 | 15-74, Cracked Distillate Tank (150-7) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT76 | 16-74, Gasoline Tank (150-6) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT77 | 17-74, Cracked Distillate Tank (150-5) | | | | | | 1 | | | | | | | | | 1 | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT78 | 18-74, Sweet Naphtha Tank (35-2) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT79 | 19-74, Gasoline Blend Stock Tank (35-1) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT80 | 20-74, Gasoline Blend Stock Tank (55-1) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT81 | 21-74, Gasoline Blend Stock Tank (55-2) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT82 | 22-74, Gasoline Tank (150-1) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT83 | 23-74, NG Condensate Tank (150-2) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT84 | 24-74, Platformate Tank (150-3) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT85 | 25-74, Platformate Tank (150-4) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT86 | 26-74, Asphalt Tank (20-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT87 | 27-74, ULSD Tank (75-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT88 | 28-74, ULSD Tank (75-2) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT89 | 29-74, Crude Tank (500-1) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT90 | 30-74, Crude Tank (500-2) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT91 | 31-74, Crude Tank (500-3) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT92 | 32-74, Gasoline Tank (500-4) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT93 | 33-74, Crude Tank (500-5) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT94 | 34-74, Crude Tank (500-6) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT95 | 35-74, Crude Tank (500-7) | | | | | | 1 | | | | | | | | | 1 | | | |

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## X. Applicable Louisiana and Federal Air Quality Requirements

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| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT96 | 36-74, ULSD Tank (300-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT97 | 37-74, Asphalt Tank (300-2) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT98 | 38-74, ULSD Tank (300-4) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT99 | 39-74, Asphalt Tank (300-5) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT100 | 40-74, ULSD Tank (300-7) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT101 | 41-74, Asphalt Tank (300-3) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT102 | 42-74, Asphalt Tank (300-6) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT103 | 43-74, Sour Naphtha Tank (55-4) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT104 | 44-74, Deasphalted Oil Tank (55-5) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT105 | 45-74, Gasoil Tank (55-6) | | | | | | 2 | | | | | | | | | | | | |
| EQT106 | 46-74, No. 6 Fuel Oil Tank (5-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT107 | 47-74, Ballast Water Tank (55-3) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT108 | 48-74, Slop Oil Tank (25-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT109 | 49-74, Slop Oil Tank (25-2) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT110 | 50-74, Clean Oil Tank (3-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT112 | 63-74, Crude Tank (500-8) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT113 | 64-74, Gasoline Tank (150-8) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT114 | 65-74, Gasoline Tank (150-10) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT115 | 66-74, ULSD Tank (300-8) | | | | | | 2 | | | | | | | | | 1 | | | |

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### X. Applicable Louisiana and Federal Air Quality Requirements

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT116 | 67-74, ULSD Tank (150-9) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT117 | 68-74, Gasoline Tank (300-9) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT118 | 71-74, Crude Oil Tank (500-9) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT119 | 72-74, Asphalt Tank (20-2) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT120 | 73-74, Gasoil Tank (300-10) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT121 | 74-74, Gasoil Tank (300-11) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT122 | 75-74, Gasoil Tank (300-12) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT123 | 76-74, Gasoil Tank (300-13) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT125 | 77-74, Natural Gasoline Tank (200-1) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT126 | 78-74, Mixed Naphtha Tank (200-2) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT127 | 79-74, Alkylate Tank (200-3) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT128 | 80-74, Mixed Naphtha Tank (200-4) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT129 | 90-74, Sour Naphtha Tank (150-11) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT131 | 93-80, Sour LAGO Tank (150-12) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT132 | 94-80, Sour Kerosene Tank (150-13) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT133 | 95-80, Sour Kerosene Tank (150-14) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT134 | 96-80, Sour LAGO Tank (150-15) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT135 | 97-80, Rose/Coker Feed Tank (200-5) | | | | | | 2 | | | | | | | | | 1 | | | |

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| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT136 | 98-80, Rose/Coker Feed Tank (200-6) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT137 | 119-91, Sour Water Tank (33-1901) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT138 | 120-91, ULSD Tank (150-16) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT139 | 121-91, Sour Water Tank (19-1903) | | | | | | | | | | | | | | | 1 | | | |
| EQT141 | 126-93, Phenolic Water Tank (60-1924) | | | | | | | | | | | | | | | 1 | | | |
| EQT142 | 127-93, Phenolic Water Tank (63-1214) | | | | | | | | | | | | | | | 1 | | | |
| EQT143 | 99-80, Slurry Oil Tank (100-1) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT145 | 1-74A, Steam Generator (Old Boiler No. 1) (36-1601-01) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT146 | 1-74B, Steam Generator (Old Boiler No. 2) (36-1601-02) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT147 | 2-74, Crude Atmospheric Heater A (10-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT148 | 3-74, Crude Atmospheric Heater B (10-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT149 | 4-74, Crude Vacuum Heater A (10-1403) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT150 | 5-74, Crude Vacuum Heater B (10-1404) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT151 | 6-74, Naphtha Hydrotreater Charge Heater (11-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT152 | 7-74, Naphtha Hydrotreater Stripper Reboiler (11-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT153 | 8-74, Platformer Charge Interheater (Nos 1-4) (12-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT154 | 9-74, Platformer Debutanizer Reboiler (12-1402) | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | |
| EQT155 | 10-74, Distillate Hydrotreater Reactor Charge Heater (14-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT156 | 11-74, Distillate Hydrotreater Low Pressure Stripper Reboiler (14-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT157 | 12-74, HGO Hydrotreater Reactor Charge Heater (15-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT158 | 13-74, HGO Hydrotreater Low Pressure Feed Heater (15-1403) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT159 | 14-74, Thermal Oxidizer No. 1 (20-1406) | | | 1 | 1 | 1 | | | | | | | | | | 1 | | | |
| EQT160 | 69-74, South Flare Stack (59-1401) | | | 1 | | 1 | | | | | | | | | | | | | |
| EQT161 | 70-74, Thermal Oxidizer No. 2 (34-1406) | | | 1 | 1 | 1 | | | | | | | | | | 1 | | | |
| EQT162 | 83-74, North Flare Stack (59-1451) | | | 1 | | 1 | | | | | | | | | | | | | |
| EQT163 | 84-74, FCCU Charge Heater (25-1401) | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | |
| EQT164 | 85-74, HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT165 | 86-74, FCCU Regenerator Vent (30-1401) | | | | 1 | 1 | | | | | | | | | | 1 | | | |
| EQT166 | 89-74, Platformer Interheater No. 5 (12-1403) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT167 | 92-80, Sats. Gas Plant Hot Oil Heater (22-1401) | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | |
| EQT168 | 100-85, LSR Hydrotreater Charge Heater (8-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT169 | 101-85, LSR Hydrotreater Stripper Reboiler (8-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT170 | 102-90, ROSE Deasphalting Heater (7-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT171 | 111-91, Boiler No. 1 (Unit 42) (42-1601) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT173 | 1-00, Coker Charge Heater (5-1401) | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | |
| EQT174 | 12-00, Thermal Oxidizer No. 3 (45-1405) | | | 1 | 1 | 1 | | | | | | | | | | 1 | | | |
| EQT178 | 3-05, Gasoline Tank (500-10) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT179 | 1-04, GDU Splitter Reboiler (55-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT180 | 2-04, GDU/HDS Finishing Reactor Feed Heater (55-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT181 | 3-04, GDU Stabilizer Reboiler (55-1403) | | | 1 | 1 | 1 | | | | | | | | | | | | | |

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## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT182 | 1-05, NDHT Reactor Charge Heater (56-1401) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT183 | 2-05, NDHT/LP Stripper Reboiler (56-1402) | | | 1 | 1 | 1 | | | | | | | | | | | | | |
| EQT223 | 34-08, No. 6 Fuel Oil Tank (200-7) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT224 | 35-08, Gasoil Tank (300-14) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT225 | 36-08, Gasoline Tank (300-15) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT226 | 37-08, Gasoline Tank (300-16) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT227 | 38-08, Gasoline Tank (300-17) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT228 | 39-08, Crude Tank (500-11) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT229 | 40-08, Crude Tank (500-12) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT230 | 41-08, Crude Tank (500-13) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT231 | 42-08, Gasoline Tank (500-14) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT232 | 43-08, Gasoline Tank (500-15) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT233 | 44-08, Kerosene Tank (500-16) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT236 | 47-08, Sour Water Storage Tank (5-4) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT237 | 57-08, Kerosene Tank (300-18) | | | | | | 1 | | | | | | | | | 1 | | | |
| EQT238 | 13-00, Sulfur Pit Unit 45 | | | | | | | | | | | | | | | 1 | | | |
| EQT239 | 26-08, Sulfur Pit Unit 220 | | | | | | | | | | | | | | | 1 | | | |
| EQT240 | 27-08, Sulfur Pit Unit 234 | | | | | | | | | | | | | | | 1 | | | |

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**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT241 | 28-08, Sulfur Plant Storage Tank (44-1903) | | | | | | | | | | | | | | | 1 | | | |
| EQT242 | 29-08, Sulfur Truck Loading | | | | | | | | | | | | | | | 1 | | | |
| EQT243 | 51-74, Sulfur Pit Unit 20 | | | | | | | | | | | | | | | 1 | | | |
| EQT244 | 55-08, GME Marine Vapor Combustor | | | 1 | | 1 | | | 1 | | | | | | | 1 | | | |
| EQT246 | 1-06, Sulfur Plant Storage Tank (44-1904) | | | | | | | | | | | | | | | 1 | | | |
| EQT257 | 58-08, Thermal Fluid Heater No. 1 | | | 1 | 1 | 2 | | | | | 2 | | | | | | | | |
| EQT258 | 59-08, Thermal Fluid Heater No. 2 | | | 1 | 1 | 2 | | | | | 2 | | | | | | | | |
| EQT259 | 60-08, API/DAF Slurry Tank No. 1 (1701) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT260 | 61-08, API/DAF Slurry Tank No. 2 (1702) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT261 | 62-08, API/DAF Slurry Tank No. 3 (1703) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT262 | 63-08, Tank Bottoms Tank | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT263 | 64-08, Cat Slurry Tank | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT264 | 65-08, Oil Buffer Tank | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT265 | 66-08, Recovered Oil Tank | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT266 | 67-08, CPI Separator (60-2226) | | | | | | 2 | | | | | | | | | 1 | | | |
| EQT267 | 68-08, Roll-Off Box Shaker | | | | | | | | | | | | | | | 1 | | | |
| EQT268 | 69-08, Roll-Off Hopper | | | | | | | | | | | | | | | 1 | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| EQT269 | 11-00, Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT270 | 92-74, Sulfur Pit Unit 34 | | | | | | | | | | | | | | | 1 | | | |
| EQT271 | 61A-74, Old South No. 1 Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT272 | 61B-74, FCCU Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT273 | 61C-74, HF Alky Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT274 | 61D-74, New No. 4 Cooling Tower | | | | | | | | | | | | | | | | | | |
| EQT275 | 70-08, Asphalt Railcar Loading | | | | | | | | | | | | | | | 1 | | | |
| EQT276 | TV-14, Tank Farm Painting Ops. | | | | | | | | | | | | | | | | | | |
| EQT277 | TV-15, Unit 22 Propane Freeze Test | | | | | | | | | | | | | | | | | | |
| EQT278 | TV-16, Unit 63 Propane Freeze Test | | | | | | | | | | | | | | | | | | |
| EQT279 | 3-88, Emergency Flare Station | | | 1 | 1 | | | | | | | | | | | | | | |
| FUG006 | 10-00, Coker Unit Fugitives (Unit 5 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG008 | 14-00, Sulfur Plant No. 3 Fugitives (Unit 45 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG009 | 15-00, New Amine Unit Fugitives (Unit 47 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG012 | GDU Fugitives (Unit 55 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG013 | ROSE Unit Fugitives (Unit 7 Fug.) | | | | | | | | | | | 1 | | | | | | | |

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## MARATHON PETROLEUM COMPANY LLC
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### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| FUG014 | Hydrotreater Unit Fugitives (Unit 8 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG015 | Penex, Dip Unit Fugitives (Unit 9 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG016 | Crude Unit Fugitives (Unit 10 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG017 | Naphtha Hydrotreater Unit Fugitives (Unit 11 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG018 | Platformer Unit Fugitives (Unit 12 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG019 | Distillate Hydrotreater Unit Fugitives (Unit 14 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG020 | Heavy Gas Oil Unit Fugitives (Unit 15 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG021 | FCC Gas Merox Unit Fugitives (Unit 16 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG022 | FCC LPG Merox Unit Fugitives (Unit 17 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG024 | Amine/Sour Water Stripper Unit Fugitives (Unit 19 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG025 | Sulfur Plant No. 1 Unit Fugitives (Unit 20 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG026 | Tail Gas Unit Fugitives (Unit 21 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG027 | Saturates Gas Plant Unit Fugitives (Unit 22 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| FUG028 | Sat Propane Merox Unit Fugitives (Unit 23 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG029 | Sat Butane Merox Unit Fugitives (Unit 24 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG030 | FCC Unit Fugitives (Unit 25 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG031 | FCC Gas Con Unit Fugitives (Unit 26 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG032 | HF Alkylation Unit Fugitives (Unit 27 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG033 | Butane Isomerization Unit Fugitives (Unit 28 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG034 | Wet Gas Scrubber Unit Fugitives (Unit 30 Fug.) | | | | | | | | | | | | | | | | | | |
| FUG035 | Amine Regenerator Unit Fugitives (Unit 32 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG036 | Amine/Sour Water Stripper Unit Fugitives (Unit 33 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG037 | Sulfur Plant No. 2 Unit Fugitives (Unit 34 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG038 | Cooling Tower Unit Fugitives (Unit 37 Fug.) | | | | | | | | | | | | | | | | | | |
| FUG039 | Fuel Gas System Unit Fugitives (Unit 43 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG040 | Propylene Splitter Fugitives (Unit 46 Fug.) (13-97) | | | | | | | | | | | 1 | | | | | | | |

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## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| FUG041 | Marine Loading Docks No. 1 & 2 Unit Fugitives (Unit 50 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG043 | Flare Knockout Drum Unit Fugitives (Unit 59 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG044 | Wastewater Treatment Facility Unit Fugitives (Unit 60 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG045 | Truck Loading Rack Unit Fugitives (Unit 65 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG046 | Refrigeration Butane Storage Unit Fugitives (Unit 66 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG048 | NDHT Fugitives (Unit 56 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG080 | Boiler Feedwater Treating Unit Fugitives (Unit 36 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG081 | Plant Water Treatment Unit Fugitives (Unit 39 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG082 | Intermediate Product Unit Fugitives (Unit 41 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG083 | North Steam Plant Unit Fugitives (Unit 42 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG084 | Interconn. Pipeway Unit Fugitives (Unit 63 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |
| FUG085 | Railroad Racks LPG Unit Fugitives (Unit 64 Fug.) | | | | | | | | | | | 1 | | | | | | | |
| FUG086 | Blending Facilities Unit Fugitives (Unit 67 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |

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## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 9 | 11 | 13 | 15 | 2103 | 2107 | 2108 | 2111 | 2115 | 2121 | 2131 | 2301 | 29 | 51 | 53 | 56 | 59 |
| FUG087 | Barge Dock No. 3 Unit Fugitives (Unit 71 Fug.) | | | | | | | | | | | 1 | | | | 1 | | | |

**KEY TO MATRIX**

1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LAC 33:III.Cahpater 29 and Chapter 51 are STATE ONLY requirements.

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| UNF005 | Facility Wide | 1 | | | | | | 1 | | 1 | 1 | | | | 1 | | 1 | 1 | | | | 1 | 1 |
| ARE006 | 3-00, Crusher Load-In | | | | | | | | | | | | | | | | | | | | | | |
| ARE007 | 2-00, Coker Stockpile | | | | | | | | | | | | | | | | | | | | | | |
| ARE008 | 4-00, Crushing | | | | | | | | | | | | | | | | | | | | | | |
| ARE009 | 5-00, Container Drop-Crusher to Conveyor | | | | | | | | | | | | | | | | | | | | | | |
| ARE010 | 9-00, Coker Haul Road | | | | | | | | | | | | | | | | | | | | | | |
| ARE011 | 30-08, Wastewater Collection/Treatment (Train 1-5) | | | | | | | 1/2 | | | 2 | | | | | | 1 | 1/2 | | | | | |
| EQT028 | 6-00, Conveyor | | | | | | | | | | | | | | | | | | | | | | |
| EQT029 | 7-00, Silo Loading | | | | | | | | | | | | | | | | | | | | | | |
| EQT030 | 8-00, Railcar/Truck/Barge Loading of Coke | | | | | | | | | | | | | | | | | | | | | | |
| EQT037 | 4-04, GDU Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT038 | 5-04, Clean Fuels Emergency Generator | | | | | | | | | | | | | | | | | | | | | | |
| EQT044 | 62-74, Platformer Regenerator Stack | | | | | | | | | | | | | | | | | | 2/1 | | | | |
| EQT045 | 1-88, Butane Storage Tank (250-1) | | | | | | 1 | | | | | | | | | | | | | | | | |
| EQT046 | 2-88, Butane Storage Tank (250-2) | | | | | | 1 | | | | | | | | | | | | | | | | |
| EQT048 | 107-90, Marine Loading Vapor Combustor | | | 1 | | | | | | | | | | | | | | 2 | | | | | |
| EQT049 | 123-91, Propylene Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT054 | 134-96, Marine/Barge Loading (Uncontrolled) | | | | | | | | | | | | | | | | | | | | | | |

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## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT055 | 14-97, Propylene/Propane/Butane Loading Rack | | | | | | | | | | | | | | | | | | | | | | |
| EQT058 | TV-1, UST/Vehicle Refueling Stations | | | | | | | | | | | | | | | | | | | | | | |
| EQT059 | TV-2, Gasoline Powered Generator (Dock) | | | | | | | | | | | | | | | | | | | | | | |
| EQT060 | TV-3, Gasoline Powered Generator (Dock) | | | | | | | | | | | | | | | | | | | | | | |
| EQT061 | TV-4, Diesel Powered Generator (Dock) | | | | | | | | | | | | | | | | | | | | | | |
| EQT062 | TV-5, Diesel Powered Fire Water Pump (Tank Farm) | | | | | | | | | | | | | | | | | | | | | | |
| EQT063 | TV-6, Diesel Powered Fire Water Pump (Tank Farm) | | | | | | | | | | | | | | | | | | | | | | |
| EQT064 | TV-7, Diesel Powered Fire Water Pump | | | | | | | | | | | | | | | | | | | | | | |
| EQT065 | TV-8, Diesel Powered Generator (Facility Wide) | | | | | | | | | | | | | | | | | | | | | | |
| EQT072 | TV-11, Storage Tank Cleaning | | | | | | | | | | | | | | | | | | | | | | |
| EQT073 | TV-12, Routine Maintenance – Diesel Fired Equipment | | | | | | | | | | | | | | | | | | | | | | |
| EQT75 | 15-74, Cracked Distillate Tank (150-7) | | | | | | 1 | | | | | | | | | | | 1 | | | | | |
| EQT76 | 16-74, Gasoline Tank (150-6) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT77 | 17-74, Cracked Distillate Tank (150-5) | | | | | | 1 | | | | | | | | | | | 1 | | | | | |
| EQT78 | 18-74, Sweet Naphtha Tank (35-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT79 | 19-74, Gasoline Blend Stock Tank (35-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT80 | 20-74, Gasoline Blend Stock Tank (55-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT81 | 21-74, Gasoline Blend Stock Tank (55-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT82 | 22-74, Gasoline Tank (150-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT83 | 23-74, NG Condensate Tank (150-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT84 | 24-74, Platformate Tank (150-3) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT85 | 25-74, Platformate Tank (150-4) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT86 | 26-74, Asphalt Tank (20-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT87 | 27-74, ULSD Tank (75-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT88 | 28-74, ULSD Tank (75-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT89 | 29-74, Crude Tank (500-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT90 | 30-74, Crude Tank (500-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT91 | 31-74, Crude Tank (500-3) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT92 | 32-74, Gasoline Tank (500-4) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT93 | 33-74, Crude Tank (500-5) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT94 | 34-74, Crude Tank (500-6) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT95 | 35-74, Crude Tank (500-7) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT96 | 36-74, ULSD Tank (300-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT97 | 37-74, Asphalt Tank (300-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT98 | 38-74, ULSD Tank (300-4) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT99 | 39-74, Asphalt Tank (300-5) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT100 | 40-74, ULSD Tank (300-7) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT101 | 41-74, Asphalt Tank (300-3) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT102 | 42-74, Asphalt Tank (300-6) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT103 | 43-74, Sour Naphtha Tank (55-4) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT104 | 44-74, Deasphalted Oil Tank (55-5) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT105 | 45-74, Gasoil Tank (55-6) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT106 | 46-74, No. 6 Fuel Oil Tank (5-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT107 | 47-74, Ballast Water Tank (55-3) | | | | | | 1 | | | | 1 | | | | | | | 1 | | | | | |
| EQT108 | 48-74, Slop Oil Tank (25-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT109 | 49-74, Slop Oil Tank (25-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT110 | 50-74, Clean Oil Tank (3-1) | | | | | | | | | | | | | | | | | 1 | | | | | |
| EQT112 | 63-74, Crude Tank (500-8) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT113 | 64-74, Gasoline Tank (150-8) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT114 | 65-74, Gasoline Tank (150-10) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT115 | 66-74, ULSD Tank (300-8) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT116 | 67-74, ULSD Tank (150-9) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT117 | 68-74, Gasoline Tank (300-9) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT118 | 71-74, Crude Oil Tank (500-9) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT119 | 72-74, Asphalt Tank (20-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT120 | 73-74, Gasoil Tank (300-10) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT121 | 74-74, Gasoil Tank (300-11) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT122 | 75-74, Gasoil Tank (300-12) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT123 | 76-74, Gasoil Tank (300-13) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT125 | 77-74, Natural Gasoline Tank (200-1) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT126 | 78-74, Mixed Naphtha Tank (200-2) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT127 | 79-74, Alkylate Tank (200-3) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT128 | 80-74, Mixed Naphtha Tank (200-4) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT129 | 90-74, Sour Naphtha Tank (150-11) | | | | | 1/- | | | | | | | | | | | | 1 | | | | | |
| EQT131 | 93-80, Sour LAGO Tank (150-12) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT132 | 94-80, Sour Kerosene Tank (150-13) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT133 | 95-80, Sour Kerosene Tank (150-14) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT134 | 96-80, Sour LAGO Tank (150-15) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT135 | 97-80, Rose/Coker Feed Tank (200-5) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT136 | 98-80, Rose/Coker Feed Tank (200-6) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT137 | 119-91, Sour Water Tank (33-1901) | | | | | | | | | | | | | | | | | 1 | | | | | |
| EQT138 | 120-91, ULSD Tank (150-16) | | | | | | 1 | | | | | | | | | | | 1 | | | | | |
| EQT139 | 121-91, Sour Water Tank (19-1903) | | | | | | | | | | | | | | | | | 1 | | | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT141 | 126-93, Phenolic Water Tank (60-1924) | | | | | | | | | | 1 | | | | | | | 1 | | | | | |
| EQT142 | 127-93, Phenolic Water Tank (63-1214) | | | | | | | | | | 1 | | | | | | | 1 | | | | | |
| EQT143 | 99-80, Slurry Oil Tank (100-1) | | | | | -/1 | | | | | | | | | | | | 1 | | | | | |
| EQT145 | 1-74A, Steam Generator (Old Boiler No. 1) (36-1601-01) | | 2 | 1 | | | | | | | | | | | | | | | | | | | |
| EQT146 | 1-74B, Steam Generator (Old Boiler No. 2) (36-1601-02) | | 2 | 1 | | | | | | | | | | | | | | | | | | | |
| EQT147 | 2-74, Crude Atmospheric Heater A (10-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT148 | 3-74, Crude Atmospheric Heater B (10-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT149 | 4-74, Crude Vacuum Heater A (10-1403) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT150 | 5-74, Crude Vacuum Heater B (10-1404) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT151 | 6-74, Naphtha Hydrotreater Charge Heater (11-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT152 | 7-74, Naphtha Hydrotreater Stripper Reboiler (11-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT153 | 8-74, Platformer Charge Interheater (Nos. 1-4) (12-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT154 | 9-74, Platformer Debutanizer Reboiler (12-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT155 | 10-74, Distillate Hydrotreater Reactor Charge Heater (14-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |

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# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT156 | 11-74, Distillate Hydrotreater Low Pressure Stripper Reboiler (14-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT157 | 12-74, HGO Hydrotreater Reactor Charge Heater (15-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT158 | 13-74, HGO Hydrotreater Low Pressure Feed Heater (15-1403) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT159 | 14-74, Thermal Oxidizer No. 1 (20-1406) | | | 1 | | | | | | | | | | | | | | | 1 | | | | |
| EQT160 | 69-74, South Flare Stack (59-1401) | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| EQT161 | 70-74, Thermal Oxidizer No. 2 (34-1406) | | | 1 | | | | | | | | | | | | | | | 1 | | | | |
| EQT162 | 83-74, North Flare Stack (59-1451) | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| EQT163 | 84-74, FCCU Charge Heater (25-1401) | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| EQT164 | 85-74, HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT165 | 86-74, FCCU Regenerator Vent (30-1401) | | | | 1 | | | | | | | | | | | | | | 2/1 | | | | |
| EQT166 | 89-74, Platformer Interheater No. 5 (12-1403) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT167 | 92-80, Sats. Gas Plant Hot Oil Heater (22-1401) | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| EQT168 | 100-85, LSR Hydrotreater Charge Heater (8-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT169 | 101-85, LSR Hydrotreater Stripper Reboiler (8-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT170 | 102-90, ROSE Deasphalting Heater (7-1401) | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| EQT171 | 111-91, Boiler No. 1 (Unit 42) (42-1601) | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| EQT173 | 1-00, Coker Charge Heater (5-1401) | | | 1 | | | | | | | | | | | | | | 1 | | | | | |
| EQT174 | 12-00, Thermal Oxidizer No. 3 (45-1405) | | | 1 | | | | | | | | | | | | | | | 1 | | | | |
| EQT178 | 3-05, Gasoline Tank (500-10) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT179 | 1-04, GDU Splitter Reboiler (55-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT180 | 2-04, GDU/HDS Finishing Reactor Feed Heater (55-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT181 | 3-04, GDU Stabilizer Reboiler (55-1403) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT182 | 1-05, NDHT Reactor Charge Heater (56-1401) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT183 | 2-05, NDHT/LP Stripper Reboiler (56-1402) | | | 1 | | | | | | | | | | | | | | | | | | | |
| EQT223 | 34-08, No. 6 Fuel Oil Tank (200-7) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT224 | 35-08, Gasoil Tank (300-14) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT225 | 36-08, Gasoline Tank (300-15) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT226 | 37-08, Gasoline Tank (300-16) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT227 | 38-08, Gasoline Tank (300-17) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT228 | 39-08, Crude Tank (500-11) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT229 | 40-08, Crude Tank (500-12) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT230 | 41-08, Crude Tank (500-13) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT231 | 42-08, Gasoline Tank (500-14) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT232 | 43-08, Gasoline Tank (500-15) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT233 | 44-08, Kerosene Tank (500-16) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT236 | 47-08, Sour Water Storage Tank (5-4) | | | | | | 1 | | | | | | | | | | | 1 | | | | | |
| EQT237 | 57-08, Kerosene Tank (300-18) | | | | | | 2 | | | | | | | | | | | 1 | | | | | |
| EQT238 | 13-00, Sulfur Pit Unit 45 | | | | | | | | | | | | | | | | | | | | | | |
| EQT239 | 26-08, Sulfur Pit Unit 220 | | | | | | | | | | | | | | | | | | | | | | |
| EQT240 | 27-08, Sulfur Pit Unit 234 | | | | | | | | | | | | | | | | | | | | | | |
| EQT241 | 28-08, Sulfur Plant Storage Tank (44-1903) | | | | | | | | | | | | | | | | | | | | | | |
| EQT242 | 29-08, Sulfur Truck Loading | | | | | | | | | | | | | | | | | | | | | | |
| EQT243 | 51-74, Sulfur Pit Unit 20 | | | | | | | | | | | | | | | | | | | | | | |
| EQT244 | 55-08, GME Marine Vapor Combustor | | | 1 | | | | | | | | | 1 | 1 | | | | 2 | | | | | |
| EQT246 | 1-06, Sulfur Plant Storage Tank (44-1904) | | | | | | | | | | | | | | | | | | | | | | |
| EQT257 | 58-08, Thermal Fluid Heater No. 1 | | | 2 | 2 | | | | | | | | | | | | | 2 | | | | | |
| EQT258 | 59-08, Thermal Fluid Heater No. 2 | | | 2 | 2 | | | | | | | | | | | | | 2 | | | | | |
| EQT259 | 60-08, API/DAF Slurry Tank No. 1 (1701) | | | | | | 2 | | | | | | | | | | | | | | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| EQT260 | 61-08, API/DAF Slurry Tank No. 2 (1702) | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT261 | 62-08, API/DAF Slurry Tank No. 3 (1703) | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT262 | 63-08, Tank Bottoms Tank | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT263 | 64-08, Cat Slurry Tank | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT264 | 65-08, Oil Buffer Tank | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT265 | 66-08, Recovered Oil Tank | | | | | | 2 | | | | | | | | | | | | | | | | |
| EQT266 | 67-08, CPI Separator (60-2226) | | | | | | 2 | 1 | | | | | | | | | | | | | | | |
| EQT267 | 68-08, Roll-Off Box Shaker | | | | | | | | | | | | | | | | | | | | | | |
| EQT268 | 69-08, Roll-Off Hopper | | | | | | | | | | | | | | | | | | | | | | |
| EQT269 | 11-00, Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT270 | 92-74, Sulfur Pit Unit 34 | | | | | | | | | | | | | | | | | | | | | | |
| EQT271 | 61A-74, Old South No. 1 Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT272 | 61B-74, FCCU Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT273 | 61C-74, HF Alky Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT274 | 61D-74, New No. 4 Cooling Tower | | | | | | | | | | | | | | | -/2 | | | | | | | |
| EQT275 | 70-08, Asphalt Railcar Loading | | | | | | | | | | | | | | | | | | | | | | |
| EQT276 | TV-14, Tank Farm Painting Ops. | | | | | | | | | | | | | | | | | | | | | | |
| EQT277 | TV-15, Unit 22 Propane Freeze Test | | | | | | | | | | | | | | | | | | | | | | |
| EQT278 | TV-16, Unit 63 Propane Freeze Test | | | | | | | | | | | | | | | | | | | | | | |
| EQT279 | 3-88, Emergency Flare Station | | | | | | 1 | | | | | | | | | | | | | | | | |
| FUG 6 | 10-00, Coker Unit Fugitives (Unit 5 Fug.) | | | | | | | 1 | 1 | | | | | | | | | 1 | | | | | |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| FUG 8 | 14-00, Sulfur Plant No. 3 Fugitives (Unit 45 Fug.) | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| FUG 9 | 15-00, New Amine Unit Fugitives (Unit 47 Fug.) | | | | | | | 1 | | | | | | | | | | | | | | | |
| FUG 12 | GDU Fugitives (Unit 55 Fug.) | | | | | | | 1 | 1 | | | | | | | | | 1 | | | | | |
| FUG013 | Rose Unit Fugitives (Unit 7 Fug.) | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| FUG014 | Hydrotreater Unit Fugitives (Unit 8 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG015 | Penex, Dip Unit Fugitives (Unit 9 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG016 | Crude Unit Fugitives (Unit 10 Fug.) | | | | | | | 1 | | | 1 | | | | | | | 1 | | | | | |
| FUG017 | Naphtha Hydrotreater Unit Fugitives (Unit 11 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG018 | Platformer Unit Fugitives (Unit 12 Fug.) | | | | | | | 1 | | | | | | | | | | 1 | | | | | |
| FUG019 | Distillate Hydrotreater Unit Fugitives (Unit 14 Fug.) | | | | | | | 1 | | | | | | | | | | 1 | | | | | |
| FUG020 | Heavy Gas Oil Unit Fugitives (Unit 15 Fug.) | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| FUG021 | FCC Gas Merox Unit Fugitives (Unit 16 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG022 | FCC Unsaturated LPG Merox Unit Fugitives (Unit 17 Fug.) | | | | | | | | 1 | | | | | | | | | | | | | | |
| FUG024 | Amine/Sour Water Stripper Unit Fugitives (Unit 19 Fug.) | | | | | | | 1 | | | | | | | | | | 1 | | | | | |
| FUG025 | Sulfur Plant No. 1 Unit Fugitives (Unit 20 Fug.) | | | | | | | | 2 | | | | | | | | | | | | | | |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| FUG026 | Tail Gas Unit Fugitives (Unit 21 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG027 | Saturates Gas Plant Unit Fugitives (Unit 22 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG028 | Sat Propane Merox Unit Fugitives (Unit 23 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG029 | Sat Butane Merox Unit Fugitives (Unit 24 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG030 | FCC Unit Fugitives (Unit 25 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG031 | FCC Gas Con Unit Fugitives (Unit 26 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG032 | HF Alkylation Unit Fugitives (Unit 27 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG033 | Butane Isomerization Unit Fugitives (Unit 28 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG034 | Wet Gas Scrubber Unit Fugitives (Unit 30 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG035 | Amine Regenerator Unit Fugitives (Unit 32 Fug.) | | | | | | | | 1 | | | | | | | | | | | | | | |
| FUG036 | Amine/Sour Water Stripper Unit Fugitives (Unit 33 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG037 | Sulfur Plant No. 2 Unit Fugitives (Unit 34 Fug.) | | | | | | | | 2 | | | | | | | | | | | | | | |
| FUG038 | Cooling Tower Unit Fugitives (Unit 37 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG039 | Fuel Gas System Unit Fugitives (Unit 43 Fug.) | | | | | | | | | | | | | | | | | | | | | | |

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# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| FUG040 | Propylene Splitter Fug. (Unit No. 46 Fug.) (13-97) | | Subpart NNN Applies | | | | | 1 | 1 | | | | | | | | | | | | | | |
| FUG041 | Marine Loading Docks Nos. 1 & 2 Unit Fugitives (Unit 50 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG043 | Flare Knockout Drum Unit Fugitives (Unit 59 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG044 | Wastewater Treatment Facility Unit Fugitives (Unit 60 Fug.) | | | | | | | 1 | 1 | | 1 | | | | | | | | | | | | |
| FUG045 | Truck Loading Rack Unit Fugitives (Unit 65 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG046 | Refrigeration Butane Storage Fugitives (Unit 66 Fug.) | | | | | | | | 1 | | | | | | | | | | | | | | |
| FUG048 | NDHT Unit 56 Fugitives (Unit 56 Fug.) | | | | | | | 1 | 1 | | | | | | | | | 1 | | | | | |
| FUG080 | Boiler Feedwater Treating Unit Fugitives (Unit 36 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG081 | Plant Water Treatment Fugitives (Unit 39 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG082 | Intermediate Product Unit Fugitives (Unit 41 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG083 | North Steam Plant Unit Fugitives (Unit 42 Fug.) | | | | | | | | | | | | | | | | | | | | | | |
| FUG084 | Interconnecting Pipeway Unit Fugitives (Unit 63 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| FUG085 | Railroad Racks LPG Unit Fugitives (Unit 64 Fug.) | | | | | | | | | | | | | | | | | | | | | | |

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# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

### X. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | 40 CFR 61 | | | | | 40 CFR 63 NESHAP | | | | | 40 CFR | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | Db | J | Ja | K/Ka | Kb | 3Q | 3G | A | FF | M | Y | BB | A | F/Q | G | CC | 3U | 52 | 64 | 68 | 82 |
| FUG086 | Blending Facilities Unit Fugitives (Unit 67 Fug.) | | | | | | | | | | | | | | | | | 1 | | | | | |
| FUG087 | Barge Dock No. 3 Unit Fugitives (Unit 71 Fug.) | | | | | | | | 1 | | | | | | | | | 1 | | | | | |

**KEY TO MATRIX**

1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

| ID No: | Requirement | Status | Citation | Explanation |
|---|---|---|---|---|
| ARE011<br>Wastewater Collection/Treatment Plant (Trains 1-5)<br>30-08 | NESHAP, 40 CFR 61 Subpart FF, Benzene Waste Operations | Does not apply | 40 CFR 61.340 | Benzene concentration of the treated stream is less than 10 ppm |
| | NESHAP, 40 CFR 63 Subpart CC, Petroleum Refineries | Does not apply | 40 CFR 63.647 | No Group 1 wastewater stream will be treated in the Wastewater Treatment Plant |
| EQT037, EQT049, EQT269 thru EQT274<br>Cooling Towers<br>4-04, 123-91, 11-00, and 61A-74 thru 61D-74 | NESHAP, 40 CFR 63 Subpart Q, Industrial Process Cooling Towers | Does not apply | 40 CFR 63.400 | Does not use chromium containing corrosion inhibitors |
| EQT044 and EQT165<br>62-74, Platformer Regenerator Stack<br>86-74, FCCU Regenerator | NESHAP, 40 CFR 63 Subpart UUU – National Emission Standards for Petroleum Refineries | Extension until April 11, 2011 | 40 CFR 63.1564 | MPC has a six year extension (2011) to comply with the metal HAP provisions under the EPA's Early Reduction Program |
| EQT048 and EQT244<br>Marine Loading Vapor Combustor<br>107-90, 55-08 | NESHAP, 40 CFR 63 Subpart CC, Petroleum Refineries | Does not apply | 40 CFR 63.651 | Total HAP emissions are less than the threshold |
| EQT054<br>Marine Barge Loading Operations<br>134-96 | Control of Emission of Organic Compounds - Marine Vapor Recovery | Does not apply | LAC 33:III.2108.A | Material loaded has a true vapor pressure less than 1.5 psia |

# LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## LOUISIANA REFINING DIVISION, GARYVILLE REFINERY
## AGENCY INTEREST NO. 3165
## MARATHON PETROLEUM COMPANY LLC
## GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

| ID No: | Requirement | Status | Citation | Explanation |
|---|---|---|---|---|
| EQT058<br>UST's/Vehicle Refueling Station<br>TV-1 | Control of Emission of Organic Compounds – Volatile Organic Compound Loading | Does not apply | LAC 33:III.2107.A | Loading takes place in underground storage tanks |
| | Gasoline Handling – Filling of Gasoline Storage Vessels | Does not apply | LAC 33:III.2131.D.3 | Actual monthly throughput (rolling average) is less than 42,000 gallons |
| EQT145 and EQT146<br>Steam Generators<br>1-74A and B | NSPS, 40 CFR 60 Subpart D, Da, Db, and Dc - Performance for Industrial-Commercial-Institutional Steam Generating Units | Does not apply | 40 CFR 60.40<br>40 CFR 60.40a<br>40 CFR 60.40b<br>40 CFR 60.40c | Constructed before September 18, 1978 |
| EQT257 and EQT258<br>Thermal Fluid Heater No. 1 and 2<br>58-08 and 59-08 | Control of Emission of Organic Compounds – Waste Gas Disposal | Does not apply | LAC 33:III.2115.H.2.a | The waste gas stream will not support combustion without economically impractical amounts of auxiliary fuel |
| | Emission Standards for Sulfur Dioxide | Does not apply | LAC 33:III.1502.A.3 | Emits less than 5 tons per year |
| | NSPS, 40 CFR 60 Subpart J – Standards of Performance for Petroleum Refineries | Does not apply | 40 CFR 60.100 | Construction will commence after May 14, 2007 |
| | NSPS, 40 CFR 60 Subpart Ja – Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 | Does not apply | 40 CFR 60.101a | Burns natural gas and miscellaneous equipment vents which are not considered refinery fuel as per the definition |
| | NESHAP, 40 CFR 63 Subpart CC – Petroleum Refineries, Miscellaneous Process Vents | Does not apply | 40 CFR 63.641 | Does not meet the definition of a process vent |

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE REFINERY**
**AGENCY INTEREST NO. 3165**
**MARATHON PETROLEUM COMPANY LLC**
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

## XI. Explanation for Exemption Status or Non-Applicability of a Source

| ID No: | Requirement | Status | Citation | Explanation |
|---|---|---|---|---|
| EQT259, EQT260, and EQT261<br><br>API/DAF Slurry Tanks Nos. 1, 2, 3<br>60-08, 61-08, and 62-08 | Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds | Does not apply | LAC 33:III.2103.A | Does not store volatile organic compounds |
| | NSPS, 40 CFR 60Subpart Kb – Petroleum Liquid Storage Vessel | Does not apply | 40 CFR 60.110b | Does not store volatile organic compounds |
| EQT262, EQT263, EQT264, EQT265, and EQT266 Storage Tanks<br>63-08, 64-08, 65-08, 66-08, and 67-08 | Control of Emission of Organic Compounds – Storage of Volatile Organic Compounds | Does not apply | LAC 33:III.2103.A | Stores volatile organic compounds having a maximum true vapor pressure of less than 1.5 psia |
| | NSPS, 40 CFR 60Subpart Kb – Petroleum Liquid Storage Vessel | Does not apply | 40 CFR 60.110b | Design capacity less than 20,000 gallons |
| FUG025 and FUG037<br>Unit 20 Fug. and<br>Unit 37 Fug.<br>Sulfur Plants No. 1 and 2 | NSPS, 40 CFR 60 Subpart GGG – Equipment Leak of VOC in Petroleum Refinery | Does not apply | 40 CFR 60.590 | Constructed or modification prior to January 4, 1983 |
| The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit | | | | |

Certified Mail No.

Agency Interest No. 3165
Activity No.: PER20080033

Mr. Richard D. Bedell
Manager, Louisiana Refining Division
Marathon Petroleum Company LLC
P. O. Box AC
Garyville, Louisiana 70051

RE: Part 70 Operating Permit Modification, Louisiana Refining Division, Garyville Refinery, Marathon Petroleum Company LLC, Garyville, St. John the Baptist Parish, Louisiana

Dear Mr. Bedell:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the_____ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this ___ day of _____, 2010.

Permit No.: 2580-00013-V0

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

SGQ
c: US EPA Region VI

# General Information

## AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Also Known As:**

| ID | Name | User Group | Start Date |
|---|---|---|---|
| 2580-00013 | CDS Number | CDS Number | 06-25-1999 |
| 25-1410539 | Federal Tax ID | Federal Tax ID | 11-21-1999 |
| LAD081999724 | Marathon Ashland Petroleum LLC | Hazardous Waste Notification | 01-12-1999 |
| PMT/PC/CA | GPRA Baselines | Hazardous Waste Permitting | 10-01-1997 |
| LA0045683 | LPDES # | LPDES Permit # | 05-22-2003 |
| LAR10C457 | LPDES # | LPDES Permit # | 08-08-2004 |
| LAR10D879 | LPDES # | LPDES Permit # | 03-01-2007 |
| WP0399 | LWDPS # | LWDPS Permit # | 06-25-2003 |
| | Priority 1 Emergency Site | Priority 1 Emergency Site | 07-18-2006 |
| LA-3239-L01A | Radioactive Material License | Radiation License Number | 07-30-2003 |
| 7408 | X-Ray Registration Number | Radiation X-ray Registration Number | 11-21-1999 |
| GD-095-0981 | SW Generator ID # | Solid Waste Facility No. | 04-30-2001 |
| 19415 | Marathon Ashland Petroleum Co - Garyville Refinery | TEMPO Merge | 04-01-2002 |
| 22003 | Marathon Ashland Petroleum LLC | TEMPO Merge | 04-16-2002 |
| 36580 | Marathon Ashland Petroleum LLC - LA Refining Division | TEMPO Merge | 12-09-2001 |
| 38855 | Marathon Ashland Petroleum LLC | TEMPO Merge | 04-16-2002 |
| 45582 | Marathon Oil Garyville Refinery | TEMPO Merge | 04-16-2002 |
| 72691 | Louisiana Refining Division | TEMPO Merge | 04-07-2002 |
| 70051MRTHNHWY61 | TRI # | Toxic Release Inventory | 07-29-2004 |
| 1577 | UST Case History Case Number | UST Case Number | 11-21-1999 |
| 48006222 | UST Facility ID (from UST legacy data) | UST FID # | 10-12-2002 |
| 48014943 | UST Facility ID Number | UST FID # | 05-27-1993 |
| 14661 | Waste Tires | Waste Tire Facility ID Number | 11-13-2008 |
| WQC DH 070308-06 | Water Quality Certification # | Water Certification | 03-08-2007 |

**Physical Location:** 4663 W Airline Hwy
Hwy 61 @ Marathon Ave
Garyville, LA 70051

**Main FAX:** 9855357177
**Main Phone:** 9855352241

**Mailing Address:** PO Box AC
Garyville, LA 70051

**Location of Front Gate:** 30.061322 latitude, -90.593528 longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

**Related People:**

| Name | Mailing Address | Phone (Type) | Relationship |
|---|---|---|---|
| Richard Bedell | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Responsible Official for |



TPOR0146

# General Information

**AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**Related People:**

| Name | Mailing Address | Phone (Type) | Relationship |
|---|---|---|---|
| Richard Bedell | PO Box AC Garyville, LA 70051 | rbedell@marathonpe | Responsible Official for |
| Jason Bradford | PO Box AC Garyville, LA 70051 | jbradford@marathon | Emission Inventory Contact for |
| Jason Bradford | PO Box AC Garyville, LA 70051 | 9855357353 (WP) | Emission Inventory Contact for |
| Ryan Cole | PO Box AC Garyville, LA 70051 | 9855357723 (WP) | Water Billing Party for |
| Ryan Cole | PO Box AC Garyville, LA 70051 | 9855357723 (WP) | Solid Waste Billing Party for |
| Wally Dows | PO Box AC Garyville, LA 70051 | 9855357177 (WF) | Accident Prevention Billing Party for |
| Wally Dows | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Accident Prevention Billing Party for |
| Wally Dows | PO Box AC Garyville, LA 70051 | 9855357177 (WF) | Accident Prevention Contact for |
| Wally Dows | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Accident Prevention Contact for |
| C. Blake Harmon | | 5045352241 (WP) | Underground Storage Tank Contact for |
| Robert Harris | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Waste Tires Contact for |
| Robert Harris | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Solid Waste Billing Party for |
| Robert Harris | PO Box AC Garyville, LA 70051 | 9855352241 (WP) | Underground Storage Tank Contact for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357302 (WP) | Radiation License Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357235 (WF) | Radiation Registration Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 5044735520 (CP) | Radiation License Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | CEWHITMAN@MAF | Radiation License Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357302 (WP) | Radiation Registration Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | CEWHITMAN@MAF | Radiation Contact For |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 5044735520 (CP) | Radiation Contact For |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357235 (WF) | Radiation Contact For |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357302 (WP) | Radiation Contact For |
| Charles Whitman | PO Box AC Garyville, LA 70051 | CEWHITMAN@MAF | Radiation Safety Officer for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 5044735520 (CP) | Radiation Safety Officer for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357235 (WF) | Radiation Safety Officer for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357302 (WP) | Radiation Safety Officer for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | CEWHITMAN@MAF | Radiation Registration Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 5044735520 (CP) | Radiation Registration Billing Party for |
| Charles Whitman | PO Box AC Garyville, LA 70051 | 9855357235 (WF) | Radiation License Billing Party for |

**Related Organizations:**

| Name | Address | Phone (Type) | Relationship |
|---|---|---|---|
| Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | UST Billing Party for |
| Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | Air Billing Party for |
| Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | Employed by |
| Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | Owns |
| Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | Emission Inventory Billing Party |



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# General Information

**AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Related Organizations: | Name | Address | Phone (Type) | Relationship |
|---|---|---|---|---|
| | Marathon Petroleum Co LLC | PO Box AC Garyville, LA 70051 | 9855357888 (WP) | Operates |

**NAIC Codes:** 32411, Petroleum Refineries

**Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.**





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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| ARE 0006 | 3-00 - Crusher Load-In (coke) | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| ARE 0007 | 2-00 - Coker Stockpile (coke) | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| ARE 0008 | 4-00 - Crushing of Coke | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| ARE 0009 | 5-00 - Container Drop-Crusher to Conveyor | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| ARE 0010 | 9-00 - Coker Haul Road | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| ARE 0011 | 30-08 - Wastewater Collection/Treatment Operations (Trains 1-5) | | 7125 gallons/min | 5700 gallons/min | | 8760 hr/yr |
| EQT 0028 | 6-00 - Conveyor | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| EQT 0029 | 7-00 - Silo Loading | | 1000 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| EQT 0030 | 8-00 - Railcar/Truck/Barge Loading of Coke | | 1200 tons/hr | 5700 tons/day | 30 day rolling average | 8760 hr/yr |
| EQT 0037 | 4-04 - GDU Cooling Tower | | 18750 gallons/min | 15000 gallons/min | | 8760 hr/yr |
| EQT 0038 | 5-04 - Clean Fuels Emergency Generator | | 350 kW | 350 kW | | 208 hr/yr |
| EQT 0044 | 62-74 - Platformer Regenerator Stack | | 1500 lb/hr | 1200 lb/hr | | 8760 hr/yr |
| EQT 0045 | 1-88 - Butane Storage Tank | 10.5 million gallons | | | Emissions routed to a Flare, Emission Point 3-88 | 8760 hr/yr |
| EQT 0046 | 2-88 - Butane Storage Tank | 10.5 million gallons | | | Emissions routed to a Flare, Emission Point 3-88 | 8760 hr/yr |
| EQT 0048 | 107-90 - Marine Loading Vapor Combustor | | 50000 bbl/hr | 12644 bbl/hr | CAP | 8760 hr/yr |
| EQT 0049 | 123-91 - Propylene Cooling Tower | | 25000 gallons/min | 20000 gallons/min | | 8760 hr/yr |
| EQT 0054 | 134-96 - Marine/Barge Loading Operations (Uncontrolled) | | 65081 bbl/hr | 52065 bbl/hr | | 8760 hr/yr |
| EQT 0055 | 14-97 - Propylene/Propane/Butane Loading/Unloading Rack | | 245.9 MM gallons/yr | 196.7 MM gallons/yr | | 4368 hr/yr |
| EQT 0058 | TV-1 - UST/Vehicle Refueling Station | 8000 gallons | | 18000 gallons/mo | | 364 hr/yr |
| EQT 0059 | TV-2 - Gasoline Powered Generator | | .96 MM BTU/hr | .96 MM BTU/hr | | 182 hr/yr |
| EQT 0060 | TV-3 - Gasoline Powered Generator | | .96 MM BTU/hr | .96 MM BTU/hr | | 182 hr/yr |
| EQT 0061 | TV-4 - Diesel Powered Generator | | .96 MM BTU/hr | .96 MM BTU/hr | | 182 hr/yr |
| EQT 0062 | TV-5 - Diesel Powered Fire Water Pump | | .42 MM BTU/hr | .42 MM BTU/hr | | 182 hr/yr |
| EQT 0063 | TV-6 - Diesel Powered Fire Water Pump | | .42 MM BTU/hr | .42 MM BTU/hr | | 182 hr/yr |
| EQT 0064 | TV-7 - Diesel Powered Fire Water Pump | | 5.25 MM BTU/hr | 5.25 MM BTU/hr | | 182 hr/yr |
| EQT 0065 | TV-8 - Diesel Powered Generator | | 10.5 MM BTU/hr | 10.5 MM BTU/hr | | 282 hr/yr |
| EQT 0072 | TV-11 - Storage Tanks Cleaning | | | | | (None Specified) |
| EQT 0073 | TV-12 - Routine Maintenance and Turnaround - Diesel Fired Equipment | | 338470 gallons/yr | | Total diesel consumption | 8760 hr/yr |
| EQT 0075 | 15-74 - Cracked Distillate Tank (150-7) | 6.3 million gallons | | | External Floating Roof (EFR) - CAP | 8760 hr/yr |
| EQT 0076 | 16-74 - Gasoline Tank (150-6) | 6.3 million gallons | | | Internal Floating Roof (IFR) - CAP | 8760 hr/yr |
| EQT 0077 | 17-74 - Cracked Distillate Tank (150-5) | 6.3 million gallons | | | IFR - CAP | 8760 hr/yr |
| EQT 0078 | 18-74 - Sweet Naphtha Tank (35-2) | 1.47 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0079 | 19-74 - Gasoline Blend Stock Tank (35-1) | 1.47 million gallons | | | EFR -CAP | 8760 hr/yr |



TPOR0149

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# INVENTORIES

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| EQT 0080 | 20-74 - Gasoline Blend Stock Tank (55-1) | 2.31 million gallons | | | Domed EFR (IFR)- CAP | 8760 hr/yr |
| EQT 0081 | 21-74 - Gasoline Blend Stock Tank (55-2) | 2.31 million gallons | | | Domed EFR (IFR) - CAP | 8760 hr/yr |
| EQT 0082 | 22-74 - Gasoline Tank (150-1) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0083 | 23-74 - NG Condensate Tank (150-2) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0084 | 24-74 - Platformate Tank (150-3) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0085 | 25-74 - Platformate Tank (150-4) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0086 | 26-74 - Asphalt Tank (20-1) | 840000 gallons | | | Fixed Roof (FR) - CAP | 8760 hr/yr |
| EQT 0087 | 27-74 - ULSD Tank (75-1) | 3.15 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0088 | 28-74 - ULSD Tank (75-2) | 3.15 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0089 | 29-74 - Crude Tank (500-1) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0090 | 30-74 - Crude Tank (500-2) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0091 | 31-74 - Crude Tank (500-3) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0092 | 32-74 - Gasoline Tank (500-4) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0093 | 33-74 - Crude Tank (500-5) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0094 | 34-74 - Crude Tank (500-6) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0095 | 35-74 - Crude Tank (500-7) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0096 | 36-74 - ULSD Tank (300-1) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0097 | 37-74 - Asphalt Tank (300-2) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0098 | 38-74 - ULSD Tank (300-4) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0099 | 39-74 - Asphalt Tank (300-5) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0100 | 40-74 - ULSD Tank (300-7) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0101 | 41-74 - Asphalt Tank (300-3) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0102 | 42-74 - Asphalt Tank (300-6) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0103 | 43-74 - Sour Naphtha Tank (55-4) | 2.31 million gallons | | | IFR - CAP | 8760 hr/yr |
| EQT 0104 | 44-74 - Deasphalted Oil Tank (55-5) | 2.31 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0105 | 45-74 - Gasoil Tank (55-6) | 2.31 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0106 | 46-74 - No. 6 Fuel Oil Tank (5-1) | 210000 gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0107 | 47-74 - Ballast Water Tank (55-3) | 2.31 million | | | EFR - CAP | 8760 hr/yr |





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# INVENTORIES

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| | | gallons | | | | |
| EQT 0108 | 48-74 - Slop Oil Tank (25-1) | 1.05 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0109 | 49-74 - Slop Oil Tank (25-2) | 1.05 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0110 | 50-74 - Clean Oil Tank (3-1) | 123329 gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0112 | 63-74 - Crude Tank (500-8) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0113 | 64-74 - Gasoline Tank (150-8) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0114 | 65-74 - Gasoline Tank (150-10) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0115 | 66-74 - ULSD Tank (300-8) | 12.6 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0116 | 67-74 - ULSD Tank (150-9) | 6.3 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0117 | 68-74 - Gasoline Tank (300-9) | 12.6 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0118 | 71-74 - Crude Oil Tank (500-9) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0119 | 72-74 - Asphalt Tank (20-2) | 840000 gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0120 | 73-74 - Gasoil Tank (300-10) | 12.65 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0121 | 74-74 - Gasoil Tank (300-11) | 12.65 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0122 | 75-74 - Gasoil Tank (300-12) | 12.65 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0123 | 76-74 - Gasoil Tank (300-13) | 12.65 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0125 | 77-74 - Natural Gasoline Tank (200-1) | 8.4 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0126 | 78-74 - Mixed Naphtha Tank (200-2) | 8.4 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0127 | 79-74 - Alkylate Tank (200-3) | 8.4 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0128 | 80-74 - Mixed Naphtha Tank (200-4) | 8.4 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0129 | 90-74 - Sour Naphtha Tank (150-11) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0131 | 93-80 - Sour LAGO Tank (150-12) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0132 | 94-80 - Sour Kerosene Tank (150-13) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0133 | 95-80 - Sour Kerosene Tank (150-14) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0134 | 96-80 - Sour LAGO Tank (150-15) | 6.3 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0135 | 97-80 - Rose/Coker Feed Tank (200-5) | 8.4 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0136 | 98-80 - Rose/Coker Feed Tank (200-6) | 8.4 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0137 | 119-91 - Sour Water Tank (33-1901) | 1.26 million gallons | | | IFR - CAP | 8760 hr/yr |
| EQT 0138 | 120-91 - ULSD Tank (150-16) | 6.3 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0139 | 121-91 - Sour Water Tank (19-1903) | 210000 gallons | | | IFR - CAP | 8760 hr/yr |
| EQT 0141 | 126-93 - Phenolic Water Tank (60-1924) | 6098 gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0142 | 127-93 - Phenolic Water Tank (63-1214) | 21000 gallons | | | IFR - CAP | 8760 hr/yr |





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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| EQT 0143 | 99-80 - Slurry Tank (100-1) | 4.2 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0145 | 1-74A - Steam Generator (Old Boiler No. 1) (36-1601-01) | | 295 MM BTU/hr | 110.91 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0146 | 1-74B - Steam Generator (Old Boiler No. 2) (36-1601-02) | | 295 MM BTU/hr | 110.91 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0147 | 2-74 - Crude Atmospheric Heater A (10-1401) | | 404.18 MM BTU/hr | 323.34 MM BTU/hr | | 8760 hr/yr |
| EQT 0148 | 3-74 - Crude Atmospheric Heater B (10-1402) | | 404.18 MM BTU/hr | 323.34 MM BTU/hr | | 8760 hr/yr |
| EQT 0149 | 4-74 - Crude Vacuum Heater A (10-1403) | | 191 MM BTU/hr | 152.8 MM BTU/hr | | 8760 hr/yr |
| EQT 0150 | 5-74 - Crude Vacuum Heater B (10-1404) | | 216.75 MM BTU/hr | 173.4 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0151 | 6-74 - Naphtha Hydrotreater Charge Heater (11-1401) | | 79.33 MM BTU/hr | 63.46 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0152 | 7-74 - Naphtha Hydrotreater Stripper Reboiler (11-1402) | | 79.51 MM BTU/hr | 63.61 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0153 | 8-74 - Platformer Charge Interheater (Nos 1-4) (12-1401) | | 586 MM BTU/hr | 468.8 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0154 | 9-74 - Platformer Debutanizer Reboiler (12-1402) | | 80.58 MM BTU/hr | 64.46 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0155 | 10-74 - Distillate Hydrotreater Reactor Charge Heater (14-1401) | | 137.01 MM BTU/hr | 109.61 MM BTU/hr | | 8760 hr/yr |
| EQT 0156 | 11-74 - Distillate HDT Low Pressure Stripper Reboiler (14-1402) | | 97.1 MM BTU/hr | 77.71 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0157 | 12-74 - HGO Hydrotreater Reactor Charge Heater (15-1401) | | 174.7 MM BTU/hr | 139.74 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0158 | 13-74 - HGO Hydrotreater Low Pressure Feed Heater (15-1403) | | 97.01 MM BTU/hr | 77.61 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0159 | 14-74 - Thermal Oxidizer No. 1 (20-1406) | | 41.59 MM BTU/hr | 33.27 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0160 | 69-74 - South Flare Stack (59-1401) | | 25.4 MM BTU/hr | 20.34 MM BTU/hr | | 8760 hr/yr |
| EQT 0161 | 70-74 - Thermal Oxidizer No. 2 (34-1406) | | 41.59 MM BTU/hr | 33.27 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0162 | 83-74 - North Flare Stack (59-1451) | | 5.81 MM BTU/hr | 4.65 MM BTU/hr | | 8760 hr/yr |
| EQT 0163 | 84-74 - FCC Charge Heater (25-1401) | | 273.2 MM BTU/hr | 218.59 MM BTU/hr | | 8760 hr/yr |
| EQT 0164 | 85-74 - HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402) | | 368.15 MM BTU/hr | 294.52 MM BTU/hr | | 8760 hr/yr |
| EQT 0165 | 86-74 - FCC Regenerator Vent (30-1401) | | 254318 SCFM | 217366 SCFM | | 8760 hr/yr |
| EQT 0166 | 89-74 - Platformer Interheater No. 5 (12-1403) | | 289 MM BTU/hr | 231.22 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0167 | 92-80 - Sats. Gas Hot Oil Heater (22-1401) | | 98.64 MM BTU/hr | 78.91 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0168 | 100-85 - LSR Hydrotreater Charge Heater (08-1401) | | 25.29 MM BTU/hr | 20.23 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0169 | 101-85 - LSR Hydrotreater Stripper Reboiler (08-1402) | | 25.29 MM BTU/hr | 20.23 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0170 | 102-90 - ROSE Deasphalting Heater (7-1401) | | 282.4 MM BTU/hr | 225.91 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0171 | 111-91 - Boiler No. 1 (Unit 42) (42-1601) | | 485.1 MM BTU/hr | 220.8 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0173 | 1-00 - Coker Charge Heater (5-1401) | | 353.46 MM BTU/hr | 282.77 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0174 | 12-00 - Thermal Oxidizer No. 3 (45-1405) | | 41.6 MM BTU/hr | 33.27 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0178 | 3-05 - Gasoline Tank (500-10) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0179 | 1-04 - GDU Splitter Reboiler (55-1401) | | 281.3 MM BTU/hr | 225 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0180 | 2-04 - GDU/HDS Finishing Reactor Feed Heater (55-1402) | | 97.5 MM BTU/hr | 78 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0181 | 3-04 - GDU Stabilizer Reboiler (55-1403) | | 85 MM BTU/hr | 68 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0182 | 1-05 - NDHT Reactor Charge Heater (56-1401) | | 75.3 MM BTU/hr | 60.24 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0183 | 2-05 - NDHT/LP Stripper Reboiler (56-1402) | | 61.55 MM BTU/hr | 49.24 MM BTU/hr | CAP | 8760 hr/yr |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| EQT 0223 | 34-08 - No. 6 Fuel Oil Tank (200-7) | 8.4 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0224 | 35-08 - Gasoil Tank (300-14) | 12.65 million gallons | | | FR - CAP | 8760 hr/yr |
| EQT 0225 | 36-08 - Gasoline Tank (300-15) | 12.6 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0226 | 37-08 - Gasoline Tank (300-16) | 12.6 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0227 | 38-08 - Gasoline Tank (300-17) | 12.6 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0228 | 39-08 - Crude Tank (500-11) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0229 | 40-08 - Crude Tank (500-12) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0230 | 41-08 - Crude Tank (500-13) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0231 | 42-08 - Gasoline Tank (500-14) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0232 | 43-08 - Gasoline Tank (500-15) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0233 | 44-08 - Kerosene Tank (500-16) | 21 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0236 | 47-08 - Sour Water Storage Tank (233-1901) | 1.26 million gallons | | | IFR - CAP | 8760 hr/yr |
| EQT 0237 | 57-08 - Kerosene Tank (300-18) | 12.6 million gallons | | | EFR - CAP | 8760 hr/yr |
| EQT 0238 | 13-00 - Sulfur Pit Unit 45 | | 750 long tons/day | 250 long tons/day | CAP | 8760 hr/yr |
| EQT 0239 | 26-08 - Sulfur Pit Unit 220 | | 750 long tons/day | 315 long tons/day | CAP | 8760 hr/yr |
| EQT 0240 | 27-08 - Sulfur Pit Unit 234 | | 750 long tons/day | 315 long tons/day | CAP | 8760 hr/yr |
| EQT 0241 | 28-08 - Sulfur Plant Storage Tank (44-1903) | | 750 long tons/day | 630 long tons/day | CAP | 8760 hr/yr |
| EQT 0242 | 29-08 - Sulfur Truck Loading | | 1725 long tons/day | 1380 long tons/day | CAP | 8760 hr/yr |
| EQT 0243 | 51-74 - Sulfur Pit Unit 20 | | 750 long tons/day | 250 long tons/day | CAP | 8760 hr/yr |
| EQT 0244 | 55-08 - GME Marine Vapor Combustor | | 50000 bbl/hr | 12500 bbl/hr | CAP | 8760 hr/yr |
| EQT 0246 | 1-06 - Sulfur Plant Storage Tank (44-1904) | 420000 gallons | 750 long tons/day | 750 long tons/day | CAP | 8760 hr/yr |
| EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 | | 12.51 MM BTU/hr | 10.01 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 | | 12.51 MM BTU/hr | 10.01 MM BTU/hr | CAP | 8760 hr/yr |
| EQT 0259 | 60-08 - API/DAF Slurry Tank No. 1 (1701) | 14700 gallons | | 12.26 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0260 | 61-08 - API/DAF Slurry Tank No. 2 (1702) | 14700 gallons | | 12.26 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0261 | 62-08 - API/DAF Slurry Tank No. 3 (1703) | 14700 gallons | | 12.26 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0262 | 63-08 - Tank Bottoms Tank | 14700 gallons | | 1.26 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0263 | 64-08 - Cat Slurry Tank | 14700 gallons | | 2.52 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0264 | 65-08 - Oil Buffer Tank | 1481 gallons | | 5.85 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0265 | 66-08 - Recovered Oil Tank | 10500 gallons | | 4.98 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0266 | 67-08 - CPI Separator | 2520 gallons | | 9.75 MM gallons/yr | FR | 8760 hr/yr |
| EQT 0267 | 68-08 - Roll-Off Box Shaker | | | | | 8760 hr/yr |
| EQT 0268 | 69-08 - Roll-Off Hopper | | | | | 8760 hr/yr |
| EQT 0269 | 11-00 - Coker Cooling Tower | | 12500 gallons/min | 10000 gallons/min | | 8760 hr/yr |





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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| EQT 0270 | 92-74 - Sulfur Pit Unit 34 | | 750 long tons/day | 250 long tons/day | | 8760 hr/yr |
| EQT 0271 | 61A-74 - Old South No. 1 Cooling Tower | | 68750 gallons/min | 55000 gallons/min | | 8760 hr/yr |
| EQT 0272 | 61B-74 - FCCU Cooling Tower | | 37500 gallons/min | 30000 gallons/min | | 8760 hr/yr |
| EQT 0273 | 61C-74 - HF Alky Cooling Tower | | 62500 gallons/min | 50000 gallons/min | | 8760 hr/yr |
| EQT 0274 | 61D-74 - New No. 4 Cooling Tower | | 50000 gallons/min | 40000 gallons/min | | 8760 hr/yr |
| EQT 0275 | 70-08 - Asphalt Railcar Loading | | 3.6 MM gallons/yr | 3.6 MM gallons/yr | | 8000 hr/yr |
| EQT 0276 | TV-14 - Tank Farm Painting Operations | | | 15000 gallons/yr | | 2350 hr/yr |
| EQT 0277 | TV-15 - Unit 22 Propane Freeze Test | | | | | (None Specified) |
| EQT 0278 | TV-16 - Unit 63 Propane Freeze Test | | | | | (None Specified) |
| EQT 0279 | 3-88 - Emergency Flare Station | | | .25 MM BTU/hr | | 430 hr/yr |
| FUG 0006 | Unit 5 Fug. - Coker Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0008 | Unit 45 Fug. - Sulfur Plant No. 3 Fugitives | | | | | 8760 hr/yr |
| FUG 0009 | Unit 47 Fug. - New Amine Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0012 | Unit 55 Fug. - GDU Fugitives | | | | | 8760 hr/yr |
| FUG 0013 | Unit 7 Fug. - Rose Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0014 | Unit 8 Fug. - Hydrotreater Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0015 | Unit 9 Fug. - Penex, Dip Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0016 | Unit 10 Fug. - Crude Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0017 | Unit 11 Fug. - Naphtha Hydrotreater Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0018 | Unit 12 Fug. - Platforming Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0019 | Unit 14 Fug. - Distillate Hydrotreater Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0020 | Unit 15 Fug. - HGO Hydrotreater Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0021 | Unit 16 Fug. - FCC Gas. Merox Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0022 | Unit 17 Fug. - FCC Unsaturated LPG Merox Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0024 | Unit 19 Fug. - Amine/Sour Water Stripper Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0025 | Unit 20 Fug. - Sulfur Plant No. 1 Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0026 | Unit 21 Fug. - Tail Gas Amine Regeneration Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0027 | Unit 22 Fug. - Saturates Gas Plant Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0028 | Unit 23 Fug. - Saturated Propane Merox Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0029 | Unit 24 Fug. - Saturated Butane Merox Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0030 | Unit 25 Fug. - FCC Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0031 | Unit 26 Fug. - FCC Gas Con. Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0032 | Unit 27 Fug. - HF Alkylation Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0033 | Unit 28 Fug. - Butane Isomerization Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0034 | Unit 30 Fug. - Wet Gas Scrubber Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0035 | Unit 32 Fug. - Amine Regeneration Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0036 | Unit 33 Fug. - Amine/Sour Water Stripper Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0037 | Unit 34 Fug. - Sulfur Plant No. 2 Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0038 | Unit 37 Fug. - Cooling Tower Unit Fugitives | | | | | 8760 hr/yr |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | |
| FUG 0039 | Unit 43 Fug. - Fuel Gas System Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0040 | Unit 46 Fug. - Propylene Splitter Fugitives | | | | | 8760 hr/yr |
| FUG 0041 | Unit 50 Fug. - Marine Loading Docks No. 1 & 2 Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0043 | Unit 59 Fug. - Flare KO Drum Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0044 | Unit 60 Fug. - WWT Facility Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0045 | Unit 65 Fug. - Truck Loading Rack Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0046 | Unit 66 Fug. - Refrigerated Butane Storage Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0048 | Unit 56 Fug. - New Distillate Hydrotreater Fugitives | | | | | 8760 hr/yr |
| FUG 0080 | Unit 36 Fug. - Boiler Feedwater Treating Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0081 | Unit 39 Fug. - Plant Water Treatment | | | | | 8760 hr/yr |
| FUG 0082 | Unit 41 Fug. - Intermediate Product Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0083 | Unit 42 Fug. - North Steam Plant | | | | | 8760 hr/yr |
| FUG 0084 | Unit 63 Fug. - Interconn. Pipeway Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0085 | Unit 64 Fug. - Railroad Racks LPG | | | | | 8760 hr/yr |
| FUG 0086 | Unit 67 Fug. - Blending Facilities Unit Fugitives | | | | | 8760 hr/yr |
| FUG 0087 | Unit 71 Fug. - Barge Dock No. 3 | | | | | 8760 hr/yr |

**Stack Information:**

| ID | Description | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (oF) |
|---|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | | |
| ARE 0006 | 3-00 - Crusher Load-In (coke) | | | | | | |
| ARE 0007 | 2-00 - Coker Stockpile (coke) | | | | | | |
| ARE 0008 | 4-00 - Crushing of Coke | | | | | | |
| ARE 0009 | 5-00 - Container Drop-Crusher to Conveyor | | | | | | |
| ARE 0010 | 9-00 - Coker Haul Road | | | | | | |
| ARE 0011 | 30-08 - Wastewater Collection/Treatment Operations (Trains 1-5) | | | | | | |
| EQT 0028 | 6-00 - Conveyor | | | | | | |
| EQT 0029 | 7-00 - Silo Loading | | | | | | |
| EQT 0030 | 8-00 - Railcar/Truck/Barge Loading of Coke | | | | | | |
| EQT 0037 | 4-04 - GDU Cooling Tower | 29 | | 22 | | 38 | 70 |
| EQT 0038 | 5-04 - Clean Fuels Emergency Generator | 364 | 2980 | .5 | | 5 | 865 |
| EQT 0044 | 62-74 - Platformer Regenerator Stack | 16 | 498 | .51 | | 50 | 795 |
| EQT 0045 | 1-88 - Butane Storage Tank | | | 140 | | 100 | |
| EQT 0046 | 2-88 - Butane Storage Tank | | | 140 | | 100 | |



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# INVENTORIES

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**Stack Information:**

| ID | Description | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (oF) |
|---|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | | |
| EQT 0048 | 107-90 - Marine Loading Vapor Combustor | 110.38 | 1987684 | 19.5 | | 48 | 2400 |
| EQT 0049 | 123-91 - Propylene Cooling Tower | 0 | 1.14 | 22 | | 27.3 | 77 |
| EQT 0054 | 134-96 - Marine/Barge Loading Operations (Uncontrolled) | | | | | | |
| EQT 0055 | 14-97 - Propylene/Propane/Butane Loading/Unloading Rack | | | | | | 113 |
| EQT 0058 | TV-1 - UST/Vehicle Refueling Station | | | | | 10 | 400 |
| EQT 0059 | TV-2 - Gasoline Powered Generator | 225.2 | | 1 | | 10 | 400 |
| EQT 0060 | TV-3 - Gasoline Powered Generator | 225.2 | | 1 | | 10 | 400 |
| EQT 0061 | TV-4 - Diesel Powered Generator | 225.2 | | 1 | | 10 | 400 |
| EQT 0062 | TV-5 - Diesel Powered Fire Water Pump | 159.3 | | 1 | | 10 | 400 |
| EQT 0063 | TV-6 - Diesel Powered Fire Water Pump | 159.3 | | 1 | | 10 | 400 |
| EQT 0064 | TV-7 - Diesel Powered Fire Water Pump | 225.2 | | 1 | | 10 | 400 |
| EQT 0065 | TV-8 - Diesel Powered Generator | 225.2 | | 1 | | 10 | 400 |
| EQT 0072 | TV-11 - Storage Tanks Cleaning | | | | | | |
| EQT 0073 | TV-12 - Routine Maintenance and Turnaround - Diesel Fired Equipment | | | | | | |
| EQT 0145 | 1-74A - Steam Generator (Old Boiler No. 1) (36-1601-01) | 10.5 | 31510 | 8 | | 150 | 321 |
| EQT 0146 | 1-74B - Steam Generator (Old Boiler No. 2) (36-1601-02) | 10.5 | 31510 | 8 | | 150 | 321 |
| EQT 0147 | 2-74 - Crude Atmospheric Heater A (10-1401) | 18.4 | 127600 | 12.25 | | 200 | 350 |
| EQT 0148 | 3-74 - Crude Atmospheric Heater B (10-1402) | 18.4 | 127600 | 12.25 | | 200 | 350 |
| EQT 0149 | 4-74 - Crude Vacuum Heater A (10-1403) | 25.85 | 72610.5 | 7.63 | | 200 | 850 |
| EQT 0150 | 5-74 - Crude Vacuum Heater B (10-1404) | 25.85 | 82399.6 | 7.63 | | 200 | 850 |
| EQT 0151 | 6-74 - Naphtha Hydrotreater Charge Heater (11-1401) | 18.8 | 26800 | 5.5 | | 192 | 760 |
| EQT 0152 | 7-74 - Naphtha Hydrotreater Stripper Reboiler (11-1402) | 25.3 | 39500 | 5.75 | | 192 | 670 |
| EQT 0153 | 8-74 - Platformer Charge Interheater (Nos 1-4) (12-1401) | 44.4 | 241600 | 10.75 | | 200 | 610 |
| EQT 0154 | 9-74 - Platformer Debutanizer Reboiler (12-1402) | 28.2 | 30000 | 4.75 | | 200 | 630 |
| EQT 0155 | 10-74 - Distillate Hydrotreater Reactor Charge Heater (14-1401) | 222 | 34111.09 | 5.71 | | 150 | 750 |
| EQT 0156 | 11-74 - Distillate HDT Low Pressure Stripper Reboiler (14-1402) | 21.4 | 27400 | 5.21 | | 172 | 730 |
| EQT 0157 | 12-74 - HGO Hydrotreater Reactor Charge Heater (15-1401) | 23.6 | 70400 | 7.96 | | 150 | 750 |
| EQT 0158 | 13-74 - HGO Hydrotreater Low Pressure Feed Heater (15-1403) | 23.6 | 70400 | 7.96 | | 150 | 750 |
| EQT 0159 | 14-74 - Thermal Oxidizer No. 1 (20-1406) | 41 | 63000 | 5.71 | | 200 | 1200 |
| EQT 0160 | 69-74 - South Flare Stack (59-1401) | 4.5 | 1910 | 3 | | 200 | 2000 |
| EQT 0161 | 70-74 - Thermal Oxidizer No. 2 (34-1406) | 41 | 63000 | 5.71 | | 200 | 1200 |
| EQT 0162 | 83-74 - North Flare Stack (59-1451) | 4.5 | 1410 | 3 | | 200 | 2000 |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Stack Information:**

| ID | Description | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (oF) |
|---|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | | |
| EQT 0163 | 84-74 - FCC Charge Heater (25-1401) | 23 | 66000 | 7.81 | | 205 | 476 |
| EQT 0164 | 85-74 - HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402) | 21.1 | 80400 | 9 | | 183.5 | 320 |
| EQT 0165 | 86-74 - FCC Regenerator Vent (30-1401) | 102.28 | 308457 | 8 | | 220 | 140 |
| EQT 0166 | 89-74 - Platformer Interheater No. 5 (12-1403) | 13 | 49500 | 9 | | 199.95 | 500 |
| EQT 0167 | 92-80 - Sats. Gas Hot Oil Heater (22-1401) | 16.75 | 33300 | 6.5 | | 155.96 | 600 |
| EQT 0168 | 100-85 - LSR Hydrotreater Charge Heater (08-1401) | 35.8 | 5164 | 1.75 | | 113 | 643 |
| EQT 0169 | 101-85 - LSR Hydrotreater Stripper Reboiler (08-1402) | 23.2 | 5146 | 2.17 | | 113 | 408 |
| EQT 0170 | 102-90 - ROSE Deasphalting Heater (7-1401) | 18.1 | 50715 | 7.72 | | 150 | 300 |
| EQT 0171 | 111-91 - Boiler No. 1 (Unit 42) (42-1601) | 20 | 156672.1 | 12.9 | | 205 | 530 |
| EQT 0173 | 1-00 - Coker Charge Heater (5-1401) | 25 | 91855.16 | 8.83 | | 200 | 435 |
| EQT 0174 | 12-00 - Thermal Oxidizer No. 3 (45-1405) | 41 | 6300 | 5.71 | | 200 | 1200 |
| EQT 0179 | 1-04 - GDU Splitter Reboiler (55-1401) | 20 | 68094 | 8.5 | | 130 | 530 |
| EQT 0180 | 2-04 - GDU/HDS Finishing Reactor Feed Heater (55-1402) | 20 | 28510 | 5.5 | | 130 | 650 |
| EQT 0181 | 3-04 - GDU Stabilizer Reboiler (55-1403) | 20 | 25159 | 5.25 | | 130 | 535 |
| EQT 0182 | 1-05 - NDHT Reactor Charge Heater (56-1401) | 20 | 21264.7 | 4.75 | | 120 | 600 |
| EQT 0183 | 2-05 - NDHT/LP Stripper Reboiler (56-1402) | 20 | 21279 | 4.25 | | 130 | 650 |
| EQT 0223 | 34-08 - No. 6 Fuel Oil Tank (200-7) | | | 180 | | 44.1 | 77 |
| EQT 0236 | 47-08 - Sour Water Storage Tank (233-1901) | | | 73.5 | | 43 | 460 |
| EQT 0239 | 26-08 - Sulfur Pit Unit 220 | | | 3.28 | | 3.28 | 285 |
| EQT 0240 | 27-08 - Sulfur Pit Unit 234 | | | 3.28 | | 3.28 | 285 |
| EQT 0241 | 28-08 - Sulfur Plant Storage Tank (44-1903) | | | 3.28 | | 20 | 285 |
| EQT 0242 | 29-08 - Sulfur Truck Loading | | | 3.28 | | 12 | 285 |
| EQT 0244 | 55-08 - GME Marine Vapor Combustor | 110.38 | 55960.2 | 3.28 | | 48 | 2400 |
| EQT 0246 | 1-06 - Sulfur Plant Storage Tank (44-1904) | | | | | 20 | 285 |
| EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 | 8.41 | 1538 | 1.97 | | 19.13 | 460 |
| EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 | 8.41 | 1538 | 1.97 | | 19.13 | 460 |
| EQT 0259 | 60-08 - API/DAF Slurry Tank No. 1 (1701) | | | 11.5 | | 20 | 180 |
| EQT 0260 | 61-08 - API/DAF Slurry Tank No. 2 (1702) | | | 11.5 | | 20 | 180 |
| EQT 0261 | 62-08 - API/DAF Slurry Tank No. 3 (1703) | | | 11.5 | | 20 | 180 |
| EQT 0262 | 63-08 - Tank Bottoms Tank | | | 11.5 | | 20 | 180 |
| EQT 0263 | 64-08 - Cat Slurry Tank | | | 11.5 | | 20 | 180 |
| EQT 0264 | 65-08 - Oil Buffer Tank | | | 6 | | 7 | 120 |

# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Stack Information:**

| ID | Description | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (oF) |
|---|---|---|---|---|---|---|---|
| **Marathon Refinery** | | | | | | | |
| EQT 0265 | 66-08 - Recovered Oil Tank | | | 10 | | 18.5 | 120 |
| EQT 0266 | 67-08 - CPI Separator | | | 8 | | 7 | 120 |
| EQT 0267 | 68-08 - Roll-Off Box Shaker | | | | 32 | 6 | 77 |
| EQT 0268 | 69-08 - Roll-Off Hopper | | | | 64 | 6 | 77 |
| EQT 0269 | 11-00 - Coker Cooling Tower | | 1.66 | | | | 70 |
| EQT 0279 | 3-88 - Emergency Flare Station | 100 | 2114 | .67 | | 50 | 1800 |

**Relationships:**

| ID | Description | Relationship | ID | Description |
|---|---|---|---|---|
| EQT 0045 | 1-88 - Butane Storage Tank | Vents to | EQT 0279 | 3-88 - Emergency Flare Station |
| EQT 0046 | 2-88 - Butane Storage Tank | Vents to | EQT 0279 | 3-88 - Emergency Flare Station |
| EQT 0259 | 60-08 - API/DAF Slurry Tank No. 1 (1701) | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0259 | 60-08 - API/DAF Slurry Tank No. 1 (1701) | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0260 | 61-08 - API/DAF Slurry Tank No. 2 (1702) | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0260 | 61-08 - API/DAF Slurry Tank No. 2 (1702) | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0261 | 62-08 - API/DAF Slurry Tank No. 3 (1703) | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0261 | 62-08 - API/DAF Slurry Tank No. 3 (1703) | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0262 | 63-08 - Tank Bottoms Tank | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0262 | 63-08 - Tank Bottoms Tank | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0263 | 64-08 - Cat Slurry Tank | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0263 | 64-08 - Cat Slurry Tank | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0264 | 65-08 - Oil Buffer Tank | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0264 | 65-08 - Oil Buffer Tank | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0265 | 66-08 - Recovered Oil Tank | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0265 | 66-08 - Recovered Oil Tank | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |
| EQT 0266 | 67-08 - CPI Separator | Vents to | EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 |
| EQT 0266 | 67-08 - CPI Separator | Vents to | EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 |

**Subject Item Groups:**

| ID | Group Type | Group Description |
|---|---|---|
| CRG 0001 | Common Requirements Group | LAMACT - LA Refinery MACT - Fugitives |
| CRG 0002 | Common Requirements Group | FUGCH21 - Chapter 21 - Fugitives |
| CRG 0003 | Common Requirements Group | FUGGGG - NSPS Subpart GGG - Fugitives |
| CRG 0004 | Common Requirements Group | NESHAPCC - NESHAP Subpart CC - Fugitives |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Subject Item Groups:**

| ID | Group Type | Group Description |
|---|---|---|
| GRP 0018 | Equipment Group | 129-95 - Fixed Roof Tanks Cap |
| GRP 0019 | Equipment Group | 130-95 - Floating Roof Tanks Cap |
| GRP 0020 | Equipment Group | 133-00 - Comb. Srcs Emission CAP |
| GRP 0021 | Equipment Group | TOC - Thermal Oxidizer No. 1, 2, and 3 CAP |
| GRP 0032 | Equipment Group | 25-08 - Sulfur Pits Storage and Loading Cap |
| GRP 0033 | Equipment Group | MVCC - GME Marine Vapor Combustor Cap |
| UNF 0005 | Unit or Facility Wide | Whole Refinery - Marathon Refinery |

**Group Membership:**

| ID | Description | Member of Groups |
|---|---|---|
| EQT 0048 | 107-90 - Marine Loading Vapor Combustor | GRP0000000033 |
| EQT 0075 | 15-74 - Cracked Distillate Tank (150-7) | GRP0000000019 |
| EQT 0076 | 16-74 - Gasoline Tank (150-6) | GRP0000000019 |
| EQT 0077 | 17-74 - Cracked Distillate Tank (150-5) | GRP0000000019 |
| EQT 0078 | 18-74 - Sweet Naphtha Tank (35-2) | GRP0000000019 |
| EQT 0079 | 19-74 - Gasoline Blend Stock Tank (35-1) | GRP0000000019 |
| EQT 0080 | 20-74 - Gasoline Blend Stock Tank (55-1) | GRP0000000019 |
| EQT 0081 | 21-74 - Gasoline Blend Stock Tank (55-2) | GRP0000000019 |
| EQT 0082 | 22-74 - Gasoline Tank (150-1) | GRP0000000019 |
| EQT 0083 | 23-74 - NG Condensate Tank (150-2) | GRP0000000019 |
| EQT 0084 | 24-74 - Platformate Tank (150-3) | GRP0000000019 |
| EQT 0085 | 25-74 - Platformate Tank (150-4) | GRP0000000019 |
| EQT 0086 | 26-74 - Asphalt Tank (20-1) | GRP0000000018 |
| EQT 0087 | 27-74 - ULSD Tank (75-1) | GRP0000000018 |
| EQT 0088 | 28-74 - ULSD Tank (75-2) | GRP0000000018 |
| EQT 0089 | 29-74 - Crude Tank (500-1) | GRP0000000019 |
| EQT 0090 | 30-74 - Crude Tank (500-2) | GRP0000000019 |
| EQT 0091 | 31-74 - Crude Tank (500-3) | GRP0000000019 |
| EQT 0092 | 32-74 - Gasoline Tank (500-4) | GRP0000000019 |
| EQT 0093 | 33-74 - Crude Tank (500-5) | GRP0000000019 |
| EQT 0094 | 34-74 - Crude Tank (500-6) | GRP0000000019 |
| EQT 0095 | 35-74 - Crude Tank (500-7) | GRP0000000019 |
| EQT 0096 | 36-74 - ULSD Tank (300-1) | GRP0000000018 |
| EQT 0097 | 37-74 - Asphalt Tank (300-2) | GRP0000000018 |
| EQT 0098 | 38-74 - ULSD Tank (300-4) | GRP0000000018 |
| EQT 0099 | 39-74 - Asphalt Tank (300-5) | GRP0000000018 |
| EQT 0100 | 40-74 - ULSD Tank (300-7) | GRP0000000018 |
| EQT 0101 | 41-74 - Asphalt Tank (300-3) | GRP0000000018 |
| EQT 0102 | 42-74 - Asphalt Tank (300-6) | GRP0000000018 |

# INVENTORIES

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**Group Membership:**

| ID | Description | Member of Groups |
|---|---|---|
| EQT 0103 | 43-74 - Sour Naphtha Tank (55-4) | GRP0000000019 |
| EQT 0104 | 44-74 - Deasphalted Oil Tank (55-5) | GRP0000000018 |
| EQT 0105 | 45-74 - Gasoil Tank (55-6) | GRP0000000018 |
| EQT 0106 | 46-74 - No. 6 Fuel Oil Tank (5-1) | GRP0000000018 |
| EQT 0107 | 47-74 - Ballast Water Tank (55-3) | GRP0000000019 |
| EQT 0108 | 48-74 - Slop Oil Tank (25-1) | GRP0000000018 |
| EQT 0109 | 49-74 - Slop Oil Tank (25-2) | GRP0000000018 |
| EQT 0110 | 50-74 - Clean Oil Tank (3-1) | GRP0000000018 |
| EQT 0112 | 63-74 - Crude Tank (500-8) | GRP0000000019 |
| EQT 0113 | 64-74 - Gasoline Tank (150-8) | GRP0000000019 |
| EQT 0114 | 65-74 - Gasoline Tank (150-10) | GRP0000000019 |
| EQT 0115 | 66-74 - ULSD Tank (300-8) | GRP0000000018 |
| EQT 0116 | 67-74 - ULSD Tank (150-9) | GRP0000000018 |
| EQT 0117 | 68-74 - Gasoline Tank (300-9) | GRP0000000019 |
| EQT 0118 | 71-74 - Crude Oil Tank (500-9) | GRP0000000019 |
| EQT 0119 | 72-74 - Asphalt Tank (20-2) | GRP0000000018 |
| EQT 0120 | 73-74 - Gasoil Tank (300-10) | GRP0000000018 |
| EQT 0121 | 74-74 - Gasoil Tank (300-11) | GRP0000000018 |
| EQT 0122 | 75-74 - Gasoil Tank (300-12) | GRP0000000018 |
| EQT 0123 | 76-74 - Gasoil Tank (300-13) | GRP0000000018 |
| EQT 0125 | 77-74 - Natural Gasoline Tank (200-1) | GRP0000000019 |
| EQT 0126 | 78-74 - Mixed Naphtha Tank (200-2) | GRP0000000019 |
| EQT 0127 | 79-74 - Alkylate Tank (200-3) | GRP0000000019 |
| EQT 0128 | 80-74 - Mixed Naphtha Tank (200-4) | GRP0000000019 |
| EQT 0129 | 90-74 - Sour Naphtha Tank (150-11) | GRP0000000019 |
| EQT 0131 | 93-80 - Sour LAGO Tank (150-12) | GRP0000000019 |
| EQT 0132 | 94-80 - Sour Kerosene Tank (150-13) | GRP0000000019 |
| EQT 0133 | 95-80 - Sour Kerosene Tank (150-14) | GRP0000000019 |
| EQT 0134 | 96-80 - Sour LAGO Tank (150-15) | GRP0000000019 |
| EQT 0135 | 97-80 - Rose/Coker Feed Tank (200-5) | GRP0000000018 |
| EQT 0136 | 98-80 - Rose/Coker Feed Tank (200-6) | GRP0000000018 |
| EQT 0137 | 119-91 - Sour Water Tank (33-1901) | GRP0000000019 |
| EQT 0138 | 120-91 - ULSD Tank (150-16) | GRP0000000018 |
| EQT 0139 | 121-91 - Sour Water Tank (19-1903) | GRP0000000019 |
| EQT 0141 | 126-93 - Phenolic Water Tank (60-1924) | GRP0000000018 |
| EQT 0142 | 127-93 - Phenolic Water Tank (63-1214) | GRP0000000019 |
| EQT 0143 | 99-80 - Slurry Tank (100-1) | GRP0000000018 |
| EQT 0145 | 1-74A - Steam Generator (Old Boiler No. 1) (36-1601-01) | GRP0000000020 |
| EQT 0146 | 1-74B - Steam Generator (Old Boiler No. 2) (36-1601-02) | GRP0000000020 |
| EQT 0150 | 5-74 - Crude Vacuum Heater B (10-1404) | GRP0000000020 |
| EQT 0151 | 6-74 - Naphtha Hydrotreater Charge Heater (11-1401) | GRP0000000020 |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Group Membership:**

| ID | Description | Member of Groups |
|---|---|---|
| EQT 0152 | 7-74 - Naphtha Hydrotreater Stripper Reboiler (11-1402) | GRP0000000020 |
| EQT 0153 | 8-74 - Platformer Charge Interheater (Nos 1-4) (12-1401) | GRP0000000020 |
| EQT 0154 | 9-74 - Platformer Debutanizer Reboiler (12-1402) | GRP0000000020 |
| EQT 0156 | 11-74 - Distillate HDT Low Pressure Stripper Reboiler (14-1402) | GRP0000000020 |
| EQT 0157 | 12-74 - HGO Hydrotreater Reactor Charge Heater (15-1401) | GRP0000000020 |
| EQT 0158 | 13-74 - HGO Hydrotreater Low Pressure Feed Heater (15-1403) | GRP0000000020 |
| EQT 0159 | 14-74 - Thermal Oxidizer No. 1 (20-1406) | GRP0000000021 |
| EQT 0161 | 70-74 - Thermal Oxidizer No. 2 (34-1406) | GRP0000000021 |
| EQT 0166 | 89-74 - Platformer Interheater No. 5 (12-1403) | GRP0000000020 |
| EQT 0167 | 92-80 - Sats. Gas Hot Oil Heater (22-1401) | GRP0000000020 |
| EQT 0168 | 100-85 - LSR Hydrotreater Charge Heater (08-1401) | GRP0000000020 |
| EQT 0169 | 101-85 - LSR Hydrotreater Stripper Reboiler (08-1402) | GRP0000000020 |
| EQT 0170 | 102-90 - ROSE Deasphalting Heater (7-1401) | GRP0000000020 |
| EQT 0171 | 111-91 - Boiler No. 1 (Unit 42) (42-1601) | GRP0000000020 |
| EQT 0173 | 1-00 - Coker Charge Heater (5-1401) | GRP0000000020 |
| EQT 0174 | 12-00 - Thermal Oxidizer No. 3 (45-1405) | GRP0000000021 |
| EQT 0178 | 3-05 - Gasoline Tank (500-10) | GRP0000000019 |
| EQT 0179 | 1-04 - GDU Splitter Reboiler (55-1401) | GRP0000000020 |
| EQT 0180 | 2-04 - GDU/HDS Finishing Reactor Feed Heater (55-1402) | GRP0000000020 |
| EQT 0181 | 3-04 - GDU Stabilizer Reboiler (55-1403) | GRP0000000020 |
| EQT 0182 | 1-05 - NDHT Reactor Charge Heater (56-1401) | GRP0000000020 |
| EQT 0183 | 2-05 - NDHT/LP Stripper Reboiler (56-1402) | GRP0000000020 |
| EQT 0223 | 34-08 - No. 6 Fuel Oil Tank (200-7) | GRP0000000018 |
| EQT 0224 | 35-08 - Gasoil Tank (300-14) | GRP0000000018 |
| EQT 0225 | 36-08 - Gasoline Tank (300-15) | GRP0000000019 |
| EQT 0226 | 37-08 - Gasoline Tank (300-16) | GRP0000000019 |
| EQT 0227 | 38-08 - Gasoline Tank (300-17) | GRP0000000019 |
| EQT 0228 | 39-08 - Crude Tank (500-11) | GRP0000000019 |
| EQT 0229 | 40-08 - Crude Tank (500-12) | GRP0000000019 |
| EQT 0230 | 41-08 - Crude Tank (500-13) | GRP0000000019 |
| EQT 0231 | 42-08 - Gasoline Tank (500-14) | GRP0000000019 |
| EQT 0232 | 43-08 - Gasoline Tank (500-15) | GRP0000000019 |
| EQT 0233 | 44-08 - Kerosene Tank (500-16) | GRP0000000019 |
| EQT 0236 | 47-08 - Sour Water Storage Tank (233-1901) | GRP0000000019 |
| EQT 0237 | 57-08 - Kerosene Tank (300-18) | GRP0000000019 |
| EQT 0238 | 13-00 - Sulfur Pit Unit 45 | GRP0000000032 |
| EQT 0239 | 26-08 - Sulfur Pit Unit 220 | GRP0000000032 |
| EQT 0240 | 27-08 - Sulfur Pit Unit 234 | GRP0000000032 |
| EQT 0241 | 28-08 - Sulfur Plant Storage Tank (44-1903) | GRP0000000032 |
| EQT 0242 | 29-08 - Sulfur Truck Loading | GRP0000000032 |
| EQT 0243 | 51-74 - Sulfur Pit Unit 20 | GRP0000000032 |

# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Group Membership:**

| ID | Description | Member of Groups |
|---|---|---|
| EQT 0244 | 55-08 - GME Marine Vapor Combustor | GRP0000000033 |
| EQT 0246 | 1-06 - Sulfur Plant Storage Tank (44-1904) | GRP0000000032 |
| EQT 0257 | 58-08 - Thermal Fluid Heater No. 1 | GRP0000000020 |
| EQT 0258 | 59-08 - Thermal Fluid Heater No. 2 | GRP0000000020 |
| EQT 0270 | 92-74 - Sulfur Pit Unit 34 | GRP0000000032 |
| FUG 0006 | Unit 5 Fug. - Coker Unit Fugitives | CRG0000000001 |
| FUG 0008 | Unit 45 Fug. - Sulfur Plant No. 3 Fugitives | CRG0000000003 |
| FUG 0009 | Unit 47 Fug. - New Amine Unit Fugitives | CRG0000000002 |
| FUG 0012 | Unit 55 Fug. - GDU Fugitives | CRG0000000001 |
| FUG 0013 | Unit 7 Fug. - Rose Unit Fugitives | CRG0000000003 |
| FUG 0014 | Unit 8 Fug. - Hydrotreater Unit Fugitives | CRG0000000004 |
| FUG 0015 | Unit 9 Fug. - Penex, Dip Unit Fugitives | CRG0000000004 |
| FUG 0016 | Unit 10 Fug. - Crude Unit Fugitives | CRG0000000001 |
| FUG 0017 | Unit 11 Fug. - Naphtha Hydrotreater Unit Fugitives | CRG0000000001 |
| FUG 0018 | Unit 12 Fug. - Platforming Unit Fugitives | CRG0000000001 |
| FUG 0019 | Unit 14 Fug. - Distillate Hydrotreater Unit Fugitives | CRG0000000001 |
| FUG 0020 | Unit 15 Fug. - HGO Hydrotreater Unit Fugitives | CRG0000000003 |
| FUG 0021 | Unit 16 Fug. - FCC Gas. Merox Unit Fugitives | CRG0000000001 |
| FUG 0022 | Unit 17 Fug. - FCC Unsaturated LPG Merox Unit Fugitives | CRG0000000003 |
| FUG 0024 | Unit 19 Fug. - Amine/Sour Water Stripper Unit Fugitives | CRG0000000001 |
| FUG 0025 | Unit 20 Fug. - Sulfur Plant No. 1 Unit Fugitives | CRG0000000002 |
| FUG 0026 | Unit 21 Fug. - Tail Gas Amine Regeneration Unit Fugitives | CRG0000000001 |
| FUG 0027 | Unit 22 Fug. - Saturates Gas Plant Unit Fugitives | CRG0000000001 |
| FUG 0028 | Unit 23 Fug. - Saturated Propane Merox Unit Fugitives | CRG0000000001 |
| FUG 0029 | Unit 24 Fug. - Saturated Butane Merox Unit Fugitives | CRG0000000002 |
| FUG 0030 | Unit 25 Fug. - FCC Unit Fugitives | CRG0000000001 |
| FUG 0031 | Unit 26 Fug. - FCC Gas Con. Unit Fugitives | CRG0000000001 |
| FUG 0032 | Unit 27 Fug. - HF Alkylation Unit Fugitives | CRG0000000004 |
| FUG 0033 | Unit 28 Fug. - Butane Isomerization Unit Fugitives | CRG0000000002 |
| FUG 0035 | Unit 32 Fug. - Amine Regeneration Unit Fugitives | CRG0000000003 |
| FUG 0036 | Unit 33 Fug. - Amine/Sour Water Stripper Unit Fugitives | CRG0000000001 |
| FUG 0037 | Unit 34 Fug. - Sulfur Plant No. 2 Unit Fugitives | CRG0000000002 |
| FUG 0039 | Unit 43 Fug. - Fuel Gas System Unit Fugitives | CRG0000000002 |
| FUG 0040 | Unit 46 Fug. - Propylene Splitter Fugitives | CRG0000000003 |
| FUG 0041 | Unit 50 Fug. - Marine Loading Docks No. 1 & 2 Unit Fugitives | CRG0000000001 |
| FUG 0043 | Unit 59 Fug. - Flare KO Drum Unit Fugitives | CRG0000000004 |
| FUG 0045 | Unit 65 Fug. - Truck Loading Rack Unit Fugitives | CRG0000000002 |
| FUG 0046 | Unit 66 Fug. - Refrigerated Butane Storage Unit Fugitives | CRG0000000003 |
| FUG 0048 | Unit 56 Fug. - New Distillate Hydrotreater Fugitives | CRG0000000001 |
| FUG 0080 | Unit 36 Fug. - Boiler Feedwater Treating Unit Fugitives | CRG0000000002 |
| FUG 0081 | Unit 39 Fug. - Plant Water Treatment | CRG0000000002 |



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# INVENTORIES

## AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery
## Activity Number: PER20080033
## Permit Number: 2580-00013-V0
## Air - Title V Regular Permit Renewal

**Group Membership:**

| ID | Description | Member of Groups |
|---|---|---|
| FUG 0082 | Unit 41 Fug. - Intermediate Product Unit Fugitives | CRG0000000001 |
| FUG 0083 | Unit 42 Fug. - North Steam Plant | CRG0000000002 |
| FUG 0084 | Unit 63 Fug. - Interconn. Pipeway Unit Fugitives | CRG0000000001 |
| FUG 0085 | Unit 64 Fug. - Railroad Racks LPG | CRG0000000002 |
| FUG 0086 | Unit 67 Fug. - Blending Facilities Unit Fugitives | CRG0000000001 |
| FUG 0087 | Unit 71 Fug. - Barge Dock No. 3 | CRG0000000001 |

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**

**Annual Maintenance Fee:**

| Fee Number | Air Contaminant Source | Multiplier | Units Of Measure |
|---|---|---|---|
| 0720 | 0720 Petroleum Refining (Rated Capacity) | 1 | M bbl/day |

**SIC Codes:**

| | | |
|---|---|---|
| 2911 | Petroleum refining | UNF 005 |





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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| ARE 0006 3-00 | | | | | | | 0.01 | 0.03 | 0.03 | | | | 0.002 | 0.01 | 0.01 |
| ARE 0007 2-00 | | | | | | | 0.02 | 0.05 | 0.08 | | | | 0.003 | 0.01 | 0.01 |
| ARE 0008 4-00 | | | | | | | 0.04 | 0.18 | 0.19 | | | | 0.01 | 0.04 | 0.04 |
| ARE 0009 5-00 | | | | | | | 0.01 | 0.03 | 0.03 | | | | 0.002 | 0.01 | 0.01 |
| ARE 0010 9-00 | | | | | | | 0.99 | 4.17 | 4.33 | | | | | | |
| ARE 0011 30-08 | | | | | | | | | | | | | 34.84 | 43.54 | 152.58 |
| EQT 0028 6-00 | | | | | | | 0.02 | 0.08 | 0.09 | | | | 0.01 | 0.05 | 0.05 |
| EQT 0029 7-00 | | | | | | | 0.01 | 0.03 | 0.03 | | | | 0.002 | 0.01 | 0.01 |
| EQT 0030 8-00 | | | | | | | 0.01 | 0.04 | 0.03 | | | | 0.002 | 0.01 | 0.01 |
| EQT 0037 4-04 | | | | | | | 0.15 | | 0.66 | | | | 0.63 | | 2.76 |
| EQT 0038 5-04 | 3.10 | 3.10 | 0.32 | 14.50 | 14.50 | 1.50 | 1.03 | 1.03 | 0.10 | 0.96 | 0.96 | 0.10 | 1.16 | 1.16 | 0.12 |
| EQT 0044 62-74 | 0.42 | 0.53 | 1.84 | | | | 0.004 | 0.005 | 0.02 | | | | 0.08 | 0.10 | 0.35 |
| EQT 0048 107-90 | | 8.30 | | | 20.16 | | | 0.75 | | | 8.35 | | | 65.12 | |
| EQT 0049 123-91 | | | | | | | 0.95 | | 4.17 | | | | 0.84 | | 3.68 |
| EQT 0054 134-96 | | | | | | | | | | | | | 2.93 | 4.14 | 12.81 |
| EQT 0055 14-97 | | | | | | | | | | | | | 0.26 | 71.36 | 1.13 |
| EQT 0058 TV-1 | | | | | | | | | | | | | 11.87 | 11.87 | 2.16 |
| EQT 0059 TV-2 | 60.14 | 60.14 | 5.50 | 1.51 | 1.51 | 0.14 | 0.10 | 0.10 | 0.01 | 0.08 | 0.08 | 0.01 | 2.05 | 2.05 | 0.19 |
| EQT 0060 TV-3 | 60.14 | 60.14 | 5.50 | 1.51 | 1.51 | 0.14 | 0.10 | 0.10 | 0.01 | 0.08 | 0.08 | 0.01 | 2.05 | 2.05 | 0.19 |
| EQT 0061 TV-4 | 0.90 | 0.90 | 0.08 | 4.25 | 4.25 | 0.39 | 0.30 | 0.30 | 0.03 | 0.28 | 0.28 | 0.03 | 0.34 | 0.34 | 0.03 |
| EQT 0062 TV-5 | 0.40 | 0.40 | 0.04 | 1.86 | 1.86 | 0.17 | 0.13 | 0.13 | 0.01 | 0.12 | 0.12 | 0.01 | 0.15 | 0.15 | 0.01 |
| EQT 0063 TV-6 | 0.40 | 0.40 | 0.04 | 1.86 | 1.86 | 0.17 | 0.13 | 0.13 | 0.01 | 0.12 | 0.12 | 0.01 | 0.15 | 0.15 | 0.01 |
| EQT 0064 TV-7 | 5.00 | 5.00 | 0.50 | 23.25 | 23.25 | 2.12 | 1.65 | 1.65 | 0.15 | 1.54 | 1.54 | 0.13 | 1.90 | 1.90 | 0.16 |





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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0065 TV-8 | 2.55 | 2.55 | 0.36 | 26.02 | 26.02 | 3.64 | 0.30 | 0.30 | 0.04 | 3.44 | 3.44 | 0.48 | 1.26 | 1.26 | 0.18 |
| EQT 0072 TV-11 | | | | | | | | | | | | | 15.88 | 19.86 | 69.57 |
| EQT 0073 TV-12 | 12.82 | 12.82 | 23.22 | 52.70 | 52.70 | 106.94 | 2.18 | 2.18 | 7.33 | 0.02 | 0.02 | 0.02 | 2.74 | 2.74 | 8.53 |
| EQT 0075 15-74 | | | | | | | | | | | | | | 2.24 | |
| EQT 0076 16-74 | | | | | | | | | | | | | | 1.24 | |
| EQT 0077 17-74 | | | | | | | | | | | | | | 1.34 | |
| EQT 0078 18-74 | | | | | | | | | | | | | | 1.67 | |
| EQT 0079 19-74 | | | | | | | | | | | | | | 2.34 | |
| EQT 0080 20-74 | | | | | | | | | | | | | | 1.41 | |
| EQT 0081 21-74 | | | | | | | | | | | | | | 1.41 | |
| EQT 0082 22-74 | | | | | | | | | | | | | | 2.99 | |
| EQT 0083 23-74 | | | | | | | | | | | | | | 2.98 | |
| EQT 0084 24-74 | | | | | | | | | | | | | | 0.65 | |
| EQT 0085 25-74 | | | | | | | | | | | | | | 0.65 | |
| EQT 0086 26-74 | | | | | | | | | | | | | | 0.02 | |
| EQT 0087 27-74 | | | | | | | | | | | | | | 0.75 | |
| EQT 0088 28-74 | | | | | | | | | | | | | | 0.75 | |
| EQT 0089 29-74 | | | | | | | | | | | | | | 1.10 | |
| EQT 0090 30-74 | | | | | | | | | | | | | | 1.16 | |
| EQT 0091 31-74 | | | | | | | | | | | | | | 1.16 | |
| EQT 0092 32-74 | | | | | | | | | | | | | | 3.93 | |
| EQT 0093 33-74 | | | | | | | | | | | | | | 1.16 | |
| EQT 0094 34-74 | | | | | | | | | | | | | | 1.16 | |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0095 35-74 | | | | | | | | | | | | | | 1.16 | |
| EQT 0096 36-74 | | | | | | | | | | | | | | 2.79 | |
| EQT 0097 37-74 | | | | | | | | | | | | | | 0.52 | |
| EQT 0098 38-74 | | | | | | | | | | | | | | 2.79 | |
| EQT 0099 39-74 | | | | | | | | | | | | | | 0.27 | |
| EQT 0100 40-74 | | | | | | | | | | | | | | 2.79 | |
| EQT 0101 41-74 | | | | | | | | | | | | | | 0.27 | |
| EQT 0102 42-74 | | | | | | | | | | | | | | 0.27 | |
| EQT 0103 43-74 | | | | | | | | | | | | | | 1.52 | |
| EQT 0104 44-74 | | | | | | | | | | | | | | 0.13 | |
| EQT 0105 45-74 | | | | | | | | | | | | | | 0.10 | |
| EQT 0106 46-74 | | | | | | | | | | | | | | 0.46 | |
| EQT 0107 47-74 | | | | | | | | | | | | | | 0.39 | |
| EQT 0108 48-74 | | | | | | | | | | | | | | 1.00 | |
| EQT 0109 49-74 | | | | | | | | | | | | | | 1.00 | |
| EQT 0110 50-74 | | | | | | | | | | | | | | 0.01 | |
| EQT 0112 63-74 | | | | | | | | | | | | | | 0.92 | |
| EQT 0113 64-74 | | | | | | | | | | | | | | 9.06 | |
| EQT 0114 65-74 | | | | | | | | | | | | | | 2.01 | |
| EQT 0115 66-74 | | | | | | | | | | | | | | 2.79 | |
| EQT 0116 67-74 | | | | | | | | | | | | | | 1.39 | |
| EQT 0117 68-74 | | | | | | | | | | | | | | 3.49 | |
| EQT 0118 71-74 | | | | | | | | | | | | | | 1.16 | |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0119 72-74 | | | | | | | | | | | | | | 0.02 | |
| EQT 0120 73-74 | | | | | | | | | | | | | | 0.38 | |
| EQT 0121 74-74 | | | | | | | | | | | | | | 0.38 | |
| EQT 0122 75-74 | | | | | | | | | | | | | | 0.38 | |
| EQT 0123 76-74 | | | | | | | | | | | | | | 0.38 | |
| EQT 0125 77-74 | | | | | | | | | | | | | | 3.56 | |
| EQT 0126 78-74 | | | | | | | | | | | | | | 1.66 | |
| EQT 0127 79-74 | | | | | | | | | | | | | | 2.59 | |
| EQT 0128 80-74 | | | | | | | | | | | | | | 2.61 | |
| EQT 0129 90-74 | | | | | | | | | | | | | | 0.45 | |
| EQT 0131 93-80 | | | | | | | | | | | | | | 0.14 | |
| EQT 0132 94-80 | | | | | | | | | | | | | | 0.14 | |
| EQT 0133 95-80 | | | | | | | | | | | | | | 0.14 | |
| EQT 0134 96-80 | | | | | | | | | | | | | | 0.13 | |
| EQT 0135 97-80 | | | | | | | | | | | | | | 2.40 | |
| EQT 0136 98-80 | | | | | | | | | | | | | | 2.40 | |
| EQT 0137 119-91 | | | | | | | | | | | | | | 0.07 | |
| EQT 0138 120-91 | | | | | | | | | | | | | | 1.39 | |
| EQT 0139 121-91 | | | | | | | | | | | | | | 0.46 | |
| EQT 0141 126-93 | | | | | | | | | | | | | | 0.10 | |
| EQT 0142 127-93 | | | | | | | | | | | | | | 0.05 | |
| EQT 0143 99-80 | | | | | | | | | | | | | | 0.68 | |
| EQT 0145 1-74A | | 24.29 | | | 56.52 | | | 2.20 | | | 8.55 | | | 1.59 | |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0146 1-74B | | 24.29 | | | 62.39 | | | 2.20 | | | 8.55 | | | 1.59 | |
| EQT 0147 2-74 | 0.02 | 0.02 | 0.08 | 16.17 | 20.21 | 70.81 | 2.41 | 3.01 | 10.55 | 1.47 | 11.71 | 6.42 | 0.03 | 0.04 | 0.14 |
| EQT 0148 3-74 | 0.02 | 0.02 | 0.08 | 16.17 | 20.21 | 70.81 | 2.41 | 3.01 | 10.55 | 1.47 | 11.71 | 6.42 | 0.03 | 0.04 | 0.14 |
| EQT 0149 4-74 | 12.58 | 15.73 | 55.12 | 4.58 | 5.73 | 20.08 | 1.14 | 1.42 | 4.99 | 0.69 | 5.53 | 3.03 | 0.82 | 1.03 | 3.61 |
| EQT 0150 5-74 | | 17.85 | | | 6.50 | | | 1.62 | | | 6.28 | | | 1.17 | |
| EQT 0151 6-74 | | 6.53 | | | 10.19 | | | 0.59 | | | 2.30 | | | 0.43 | |
| EQT 0152 7-74 | | 6.55 | | | 10.05 | | | 0.59 | | | 2.30 | | | 0.43 | |
| EQT 0153 8-74 | | 48.26 | | | 49.81 | | | 4.37 | | | 16.98 | | | 3.16 | |
| EQT 0154 9-74 | | 6.64 | | | 10.04 | | | 0.60 | | | 2.34 | | | 0.43 | |
| EQT 0155 10-74 | 0.05 | 0.06 | 0.20 | 4.38 | 5.48 | 19.20 | 0.82 | 1.02 | 3.58 | 0.50 | 3.97 | 2.18 | 0.01 | 0.02 | 0.06 |
| EQT 0156 11-74 | | 0.01 | | | 8.20 | | | 0.72 | | | 2.82 | | | 0.01 | |
| EQT 0157 12-74 | | 1.29 | | | 42.72 | | | 1.20 | | | 5.06 | | | 0.11 | |
| EQT 0158 13-74 | | 0.72 | | | 23.73 | | | 0.67 | | | 2.81 | | | 0.06 | |
| EQT 0159 14-74 | | 1.72 | | | 3.54 | | | 0.31 | | | 56.86 | | | 0.06 | |
| EQT 0160 69-74 | 4.27 | 141.36 | 18.70 | 4.23 | 155.87 | 18.52 | 0.32 | 11.91 | 1.40 | 2.41 | 3.78 | 10.56 | 11.60 | 601.19 | 50.79 |
| EQT 0161 70-74 | | 0.78 | | | 4.49 | | | 0.31 | | | 56.86 | | | 0.02 | |
| EQT 0162 83-74 | 1.47 | 3.15 | 6.44 | 1.66 | 2.90 | 7.26 | 0.10 | 0.19 | 0.45 | 4.05 | 13.71 | 17.76 | 4.66 | 21.05 | 20.40 |
| EQT 0163 84-74 | 0.03 | 0.04 | 0.13 | 7.65 | 9.56 | 33.51 | 0.37 | 0.46 | 1.61 | 7.26 | 15.76 | 31.82 | 1.32 | 1.65 | 5.77 |
| EQT 0164 85-74 | 0.02 | 0.03 | 0.09 | 11.78 | 14.73 | 51.60 | 1.23 | 1.53 | 5.37 | 1.33 | 10.67 | 5.85 | 0.05 | 0.06 | 0.22 |
| EQT 0165 86-74 | 144.53 | 481.76 | 633.03 | 61.73 | 96.56 | 270.40 | 24.00 | 77.60 | 105.12 | 39.64 | 110.12 | 173.63 | 6.81 | 7.09 | 29.84 |
| EQT 0166 89-74 | | 23.80 | | | 31.76 | | | 2.15 | | | 8.38 | | | 1.56 | |
| EQT 0167 92-80 | | 8.52 | | | 8.96 | | | 0.77 | | | 9.02 | | | 0.56 | |
| EQT 0168 100-85 | | 2.08 | | | 2.23 | | | 0.19 | | | 0.73 | | | 0.14 | |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0169 101-85 | | 2.08 | | | 1.93 | | | 0.19 | | | 0.73 | | | 0.14 | |
| EQT 0170 102-90 | | 0.02 | | | 16.94 | | | 1.36 | | | 8.18 | | | 0.08 | |
| EQT 0171 111-91 | | 0.87 | | | 35.56 | | | 0.44 | | | 14.06 | | | 0.58 | |
| EQT 0173 1-00 | | 0.03 | | | 18.38 | | | 1.78 | | | 30.62 | | | 0.68 | |
| EQT 0174 12-00 | | 2.26 | | | 4.87 | | | 0.68 | | | 56.86 | | | 0.01 | |
| EQT 0178 3-05 | | | | | | | | | | | | | | 3.94 | |
| EQT 0179 1-04 | | 11.25 | | | 8.44 | | | 2.11 | | | 8.15 | | | 0.42 | |
| EQT 0180 2-04 | | 4.68 | | | 3.51 | | | 0.88 | | | 3.39 | | | 0.18 | |
| EQT 0181 3-04 | | 4.02 | | | 3.01 | | | 0.75 | | | 2.91 | | | 0.15 | |
| EQT 0182 1-05 | | 3.01 | | | 2.26 | | | 0.56 | | | 2.18 | | | 0.11 | |
| EQT 0183 2-05 | | 2.46 | | | 1.85 | | | 0.46 | | | 1.78 | | | 0.09 | |
| EQT 0223 34-08 | | | | | | | | | | | | | | 0.43 | |
| EQT 0224 35-08 | | | | | | | | | | | | | | 0.38 | |
| EQT 0225 36-08 | | | | | | | | | | | | | | 4.27 | |
| EQT 0226 37-08 | | | | | | | | | | | | | | 2.84 | |
| EQT 0227 38-08 | | | | | | | | | | | | | | 2.84 | |
| EQT 0228 39-08 | | | | | | | | | | | | | | 1.05 | |
| EQT 0229 40-08 | | | | | | | | | | | | | | 3.28 | |
| EQT 0230 41-08 | | | | | | | | | | | | | | 3.28 | |
| EQT 0231 42-08 | | | | | | | | | | | | | | 3.28 | |
| EQT 0232 43-08 | | | | | | | | | | | | | | 3.28 | |
| EQT 0233 44-08 | | | | | | | | | | | | | | 3.28 | |
| EQT 0236 47-08 | | | | | | | | | | | | | | 0.17 | |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0237 57-08 | | | | | | | | | | | | | | 2.84 | |
| EQT 0244 55-08 | | 8.30 | | | 20.16 | | | 0.75 | | | 8.35 | | | 65.12 | |
| EQT 0257 58-08 | | 1.03 | | | 0.78 | | | 0.09 | | | 0.34 | | | 0.28 | |
| EQT 0258 59-08 | | 1.03 | | | 0.78 | | | 0.09 | | | 0.34 | | | 0.28 | |
| EQT 0259 60-08 | | | | | | | | | | | | | 0.002 | 0.002 | 0.01 |
| EQT 0260 61-08 | | | | | | | | | | | | | 0.002 | 0.002 | 0.01 |
| EQT 0261 62-08 | | | | | | | | | | | | | 0.002 | 0.002 | 0.01 |
| EQT 0262 63-08 | | | | | | | | | | | | | 0.002 | 0.003 | 0.01 |
| EQT 0263 64-08 | | | | | | | | | | | | | 0.003 | 0.004 | 0.01 |
| EQT 0264 65-08 | | | | | | | | | | | | | <0.001 | <0.001 | <0.01 |
| EQT 0265 66-08 | | | | | | | | | | | | | <0.001 | 0.001 | <0.01 |
| EQT 0266 67-08 | | | | | | | | | | | | | 0.001 | 0.002 | 0.01 |
| EQT 0267 68-08 | | | | | | | | | | | | | 0.25 | 0.31 | 1.10 |
| EQT 0268 69-08 | | | | | | | | | | | | | 0.25 | 0.31 | 1.10 |
| EQT 0269 11-00 | | | | | | | 0.50 | | 2.20 | | | | 0.42 | | 1.84 |
| EQT 0271 61A-74 | | | | | | | 2.76 | | 12.08 | | | | 2.31 | | 10.12 |
| EQT 0272 61B-74 | | | | | | | 1.17 | | 5.12 | | | | 1.26 | | 5.52 |
| EQT 0273 61C-74 | | | | | | | 2.10 | | 9.19 | | | | 2.10 | | 9.20 |
| EQT 0274 61D-74 | | | | | | | 1.85 | | 8.11 | | | | 1.68 | | 7.36 |
| EQT 0275 70-08 | | | | | | | | | | | | | 0.005 | 0.01 | 0.02 |
| EQT 0276 TV-14 | | | | | | | | | | | | | 7.71 | 28.72 | 9.05 |
| EQT 0277 TV-15 | | | | | | | | | | | | | 1.24 | 1.24 | 5.44 |
| EQT 0278 TV-16 | | | | | | | | | | | | | 1.24 | 1.24 | 5.44 |





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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| EQT 0279 3-88 | 25.29 | 31.45 | 3.36 | 5.68 | 6.82 | 1.21 | 0.56 | 0.69 | 0.10 | 0.04 | 0.05 | 0.01 | 101.28 | 124.78 | 14.92 |
| FUG 0006 Unit 5 Fug. | | | | | | | | | | | | | 7.35 | | 32.19 |
| FUG 0008 Unit 45 Fug. | | | | | | | | | | | | | 0.01 | | 0.06 |
| FUG 0009 Unit 47 Fug. | | | | | | | | | | | | | 1.29 | | 5.65 |
| FUG 0012 Unit 55 Fug. | | | | | | | | | | | | | 5.71 | | 25.01 |
| FUG 0013 Unit 7 Fug. | | | | | | | | | | | | | 4.44 | | 19.44 |
| FUG 0014 Unit 8 Fug. | | | | | | | | | | | | | 2.50 | | 10.94 |
| FUG 0015 Unit 9 Fug. | | | | | | | | | | | | | 3.39 | | 14.86 |
| FUG 0016 Unit 10 Fug. | | | | | | | | | | | | | 9.56 | | 41.87 |
| FUG 0017 Unit 11 Fug. | | | | | | | | | | | | | 1.15 | | 5.03 |
| FUG 0018 Unit 12 Fug. | | | | | | | | | | | | | 4.15 | | 18.18 |
| FUG 0019 Unit 14 Fug. | | | | | | | | | | | | | 4.41 | | 19.34 |
| FUG 0020 Unit 15 Fug. | | | | | | | | | | | | | 3.09 | | 13.55 |
| FUG 0021 Unit 16 Fug. | | | | | | | | | | | | | 0.57 | | 2.51 |
| FUG 0022 Unit 17 Fug. | | | | | | | | | | | | | 0.39 | | 1.72 |
| FUG 0024 Unit 19 Fug. | | | | | | | | | | | | | 0.36 | | 1.58 |
| FUG 0025 Unit 20 Fug. | | | | | | | | | | | | | 0.08 | | 0.37 |
| FUG 0026 Unit 21 Fug. | | | | | | | | | | | | | 0.95 | | 4.18 |
| FUG 0027 Unit 22 Fug. | | | | | | | | | | | | | 3.47 | | 15.19 |
| FUG 0028 Unit 23 Fug. | | | | | | | | | | | | | 0.82 | | 3.59 |
| FUG 0029 Unit 24 Fug. | | | | | | | | | | | | | 0.58 | | 2.53 |
| FUG 0030 Unit 25 Fug. | | | | | | | | | | | | | 5.34 | | 23.39 |
| FUG 0031 Unit 26 Fug. | | | | | | | | | | | | | 6.02 | | 26.36 |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| FUG 0032 Unit 27 Fug. | | | | | | | | | | | | | 17.27 | | 75.66 |
| FUG 0033 Unit 28 Fug. | | | | | | | | | | | | | 1.83 | | 8.01 |
| FUG 0034 Unit 30 Fug. | | | | | | | | | | | | | <0.001 | | <0.01 |
| FUG 0035 Unit 32 Fug. | | | | | | | | | | | | | 0.96 | | 4.19 |
| FUG 0036 Unit 33 Fug. | | | | | | | | | | | | | 0.22 | | 0.96 |
| FUG 0037 Unit 34 Fug. | | | | | | | | | | | | | 0.09 | | 0.37 |
| FUG 0038 Unit 37 Fug. | | | | | | | | | | | | | <0.001 | | <0.01 |
| FUG 0039 Unit 43 Fug. | | | | | | | | | | | | | 0.36 | | 1.59 |
| FUG 0040 Unit 46 Fug. | | | | | | | | | | | | | 5.03 | | 22.03 |
| FUG 0041 Unit 50 Fug. | | | | | | | | | | | | | 0.83 | | 3.63 |
| FUG 0043 Unit 59 Fug. | | | | | | | | | | | | | 0.38 | | 1.66 |
| FUG 0044 Unit 60 Fug. | | | | | | | | | | | | | 0.60 | | 2.61 |
| FUG 0045 Unit 65 Fug. | | | | | | | | | | | | | 0.60 | | 2.65 |
| FUG 0046 Unit 66 Fug. | | | | | | | | | | | | | 1.42 | | 6.22 |
| FUG 0048 Unit 56 Fug. | | | | | | | | | | | | | 3.10 | | 13.59 |
| FUG 0080 Unit 36 Fug. | | | | | | | | | | | | | 0.06 | | 0.25 |
| FUG 0081 Unit 39 Fug. | | | | | | | | | | | | | 0.16 | | 0.71 |
| FUG 0082 Unit 41 Fug. | | | | | | | | | | | | | 0.39 | | 1.73 |
| FUG 0083 Unit 42 Fug. | | | | | | | | | | | | | 0.06 | | 0.25 |
| FUG 0084 Unit 63 Fug. | | | | | | | | | | | | | 14.85 | | 65.04 |
| FUG 0085 Unit 64 Fug. | | | | | | | | | | | | | 1.63 | | 7.14 |
| FUG 0086 Unit 67 Fug. | | | | | | | | | | | | | 1.75 | | 7.66 |
| FUG 0087 Unit 71 Fug. | | | | | | | | | | | | | 0.51 | | 2.25 |



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# EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| **Marathon Refinery** | | | | | | | | | | | | | | | |
| GRP 0018 129-95 | | | | | | | | | | | | | 21.92 | | 96.00 |
| GRP 0019 130-95 | | | | | | | | | | | | | 75.24 | | 329.57 |
| GRP 0020 133-00 | 140.45 | | 615.16 | 282.80 | | 1238.68 | 19.40 | | 84.96 | 34.46 | | 150.95 | 10.03 | | 43.95 |
| GRP 0021 TOC | 3.80 | | 16.67 | 10.33 | | 45.22 | 1.05 | | 4.58 | 90.99 | | 398.54 | 0.07 | | 0.32 |
| GRP 0033 MVCC | 5.99 | | 26.24 | 14.55 | | 63.74 | 0.54 | | 2.37 | 0.45 | | 1.95 | 10.44 | | 45.74 |

**Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.**





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# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| ARE 0006 3-00 | Nickel (and compounds) | <0.001 | <0.001 | <0.001 |
| ARE 0008 4-00 | Nickel (and compounds) | <0.001 | <0.001 | <0.001 |
| ARE 0009 5-00 | Nickel (and compounds) | <0.001 | <0.001 | <0.001 |
| ARE 0011 30-08 | Ammonia | 1.67 | 2.09 | 7.32 |
| | Benzene | 3.41 | 4.26 | 14.92 |
| | Cresol | 0.02 | 0.02 | 0.08 |
| | Ethyl benzene | 1.01 | 1.26 | 4.41 |
| | Methyl ethyl ketone | 0.42 | 0.52 | 1.83 |
| | Methyl isobutyl ketone | 0.04 | 0.05 | 0.19 |
| | Naphthalene | 1.46 | 1.82 | 6.38 |
| | Phenol | 0.01 | 0.02 | 0.06 |
| | Polynuclear Aromatic Hydrocarbons | 0.108 | 0.135 | 0.475 |
| | Tetrachloroethylene | 0.99 | 1.23 | 4.32 |
| | Toluene | 5.09 | 6.37 | 22.32 |
| | Xylene (mixed isomers) | 1.73 | 2.16 | 7.57 |
| | n-Hexane | 2.20 | 2.75 | 9.65 |
| EQT 0029 7-00 | Nickel (and compounds) | <0.001 | <0.001 | <0.001 |
| EQT 0030 8-00 | Nickel (and compounds) | <0.001 | <0.001 | <0.001 |
| EQT 0037 4-04 | 2,2,4-Trimethylpentane | 0.01 | | 0.05 |
| | Benzene | 0.01 | | 0.03 |
| | Biphenyl | <0.001 | | <0.01 |
| | Ethyl benzene | 0.003 | | 0.01 |
| | Toluene | 0.01 | | 0.05 |
| | Xylene (mixed isomers) | 0.02 | | 0.09 |
| | n-Hexane | 0.003 | | 0.01 |
| EQT 0044 62-74 | Chlorinated Dibenzo-P-Dioxins | <0.001 | <0.001 | <0.001 |
| | Chlorinated dibenzofurans | <0.001 | <0.001 | <0.001 |
| | Chlorine | 0.80 | 1.00 | 3.40 |
| | Hydrochloric acid | 3.30 | 4.13 | 13.90 |
| EQT 0048 107-90 | 1,1,2-Trichloroethane | | <0.001 | |
| | 2,2,4-Trimethylpentane | | 0.03 | |
| | Benzene | | 0.09 | |
| | Chlorobenzene | | 0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0048 107-90 | Ethyl benzene | | 0.01 | |
| | Formaldehyde | | 0.04 | |
| | Toluene | | 0.15 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.12 | |
| EQT 0049 123-91 | 1,3-Butadiene | 0.001 | | 0.01 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | n-Hexane | <0.001 | | <0.01 |
| EQT 0054 134-98 | 1,1,2,2-Tetrachloroethane | 0.01 | 0.05 | 0.05 |
| | 1,1,2-Trichloroethane | <0.001 | <0.001 | <0.01 |
| | Carbon disulfide | 0.01 | 0.04 | 0.05 |
| | Chloroform | <0.001 | 0.001 | <0.01 |
| | Cresol | <0.001 | <0.001 | <0.01 |
| | Cumene | 0.003 | 0.004 | 0.02 |
| | Ethyl benzene | 0.02 | 0.03 | 0.08 |
| | Hydrogen sulfide | 0.59 | 1.26 | 2.60 |
| | Methyl chloride | 0.03 | 0.12 | 0.15 |
| | Naphthalene | <0.001 | <0.001 | <0.01 |
| | Toluene | 0.05 | 0.09 | 0.24 |
| | Xylene (mixed isomers) | 0.13 | 0.20 | 0.58 |
| | n-Hexane | 0.004 | 0.004 | 0.02 |
| EQT 0055 14-97 | 1,3-Butadiene | <0.001 | 0.16 | 0.001 |
| EQT 0058 TV-1 | 2,2,4-Trimethylpentane | 0.16 | 0.16 | 0.03 |
| | Benzene | 0.002 | 0.003 | 0.01 |
| | Ethyl benzene | <0.001 | <0.001 | 0.01 |
| | Toluene | 0.002 | 0.003 | 0.01 |
| | Xylene (mixed isomers) | <0.001 | <0.001 | <0.01 |
| | n-Hexane | 0.002 | 0.003 | 0.01 |
| EQT 0072 TV-11 | 2,2,4-Trimethylpentane | 0.10 | 0.13 | 0.46 |
| | Acrylonitrile | <0.001 | <0.001 | 0.001 |
| | Ammonia | <0.001 | <0.001 | <0.01 |
| | Benzene | 0.05 | 0.06 | 0.21 |
| | Biphenyl | 0.01 | 0.01 | 0.04 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0072 TV-11 | Cumene | <0.001 | <0.001 | <0.01 |
| | Ethyl benzene | 0.003 | 0.004 | 0.01 |
| | Hydrogen sulfide | 0.04 | 0.05 | 0.16 |
| | Naphthalene | <0.001 | <0.001 | <0.01 |
| | Toluene | 0.05 | 0.06 | 0.22 |
| | Xylene (mixed isomers) | 0.02 | 0.03 | 0.09 |
| | n-Hexane | 0.24 | 0.30 | 1.05 |
| EQT 0075 15-74 | Benzene | | 0.003 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.02 | |
| EQT 0076 16-74 | 2,2,4-Trimethylpentane | | 0.03 | |
| | Benzene | | 0.004 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.004 | |
| EQT 0077 17-74 | Benzene | | 0.002 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.005 | |
| | n-Hexane | | 0.01 | |
| EQT 0078 18-74 | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | 0.002 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0078 18-74 | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.01 | |
| EQT 0079 19-74 | 2,2,4-Trimethylpentane | | <0.001 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | 0.05 | |
| EQT 0080 20-74 | 2,2,4-Trimethylpentane | | <0.001 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | <0.01 | |
| | n-Hexane | | 0.03 | |
| EQT 0081 21-74 | 2,2,4-Trimethylpentane | | <0.001 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | 0.03 | |
| EQT 0082 22-74 | 2,2,4-Trimethylpentane | | 0.04 | |
| | Benzene | | 0.02 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.04 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0082<br>22-74 | Xylene (mixed isomers) | | 0.03 | |
| | n-Hexane | | 0.07 | |
| EQT 0083<br>23-74 | 2,2,4-Trimethylpentane | | 0.04 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.07 | |
| EQT 0084<br>24-74 | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.04 | |
| | Xylene (mixed isomers) | | 0.03 | |
| | n-Hexane | | 0.01 | |
| EQT 0085<br>25-74 | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.04 | |
| | Xylene (mixed isomers) | | 0.03 | |
| | n-Hexane | | 0.01 | |
| EQT 0086<br>26-74 | 1,1,2,2-Tetrachloroethane | | <0.001 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | <0.001 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.01 | |
| | Methyl chloride | | <0.001 | |
| | Toluene | | <0.001 | |
| | Vinyl acetate | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0086 26-74 | Xylene (mixed isomers) | | <0.001 | |
| EQT 0087 27-74 | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.003 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.10 | |
| EQT 0088 28-74 | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.003 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.10 | |
| EQT 0089 29-74 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0090 30-74 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0091 31-74 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0092 32-74 | 2,2,4-Trimethylpentane | | 0.08 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Naphthalene | | 0.002 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0092 32-74 | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.01 | |
| EQT 0093 33-74 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0094 34-74 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0095 35-74 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0096 36-74 | Cumene | | 0.003 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.07. | |
| | n-Hexane | | 0.37 | |
| EQT 0097 37-74 | 1,1,2,2-Tetrachloroethane | | 0.004 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.003 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | 0.001 | |
| | Hydrogen sulfide | | 0.18 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0097 37-74 | Methyl chloride | | 0.01 | |
| | Toluene | | 0.01 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.02 | |
| EQT 0098 38-74 | Cumene | | 0.003 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.07 | |
| | n-Hexane | | 0.37 | |
| EQT 0099 39-74 | 1,1,2,2-Tetrachloroethane | | 0.004 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.003 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | 0.001 | |
| | Hydrogen sulfide | | 0.18 | |
| | Methyl chloride | | 0.01 | |
| | Toluene | | 0.004 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.004 | |
| EQT 0100 40-74 | Cumene | | 0.003 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.07 | |
| | n-Hexane | | 0.37 | |
| EQT 0101 41-74 | 1,1,2,2-Tetrachloroethane | | 0.004 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.003 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | 0.001 | |
| | Hydrogen sulfide | | 0.18 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0101 41-74 | Methyl chloride | | 0.01 | |
| | Toluene | | 0.004 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.004 | |
| EQT 0102 42-74 | 1,1,2,2-Tetrachloroethane | | 0.004 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.003 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | 0.001 | |
| | Hydrogen sulfide | | 0.18 | |
| | Methyl chloride | | 0.01 | |
| | Toluene | | 0.004 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.004 | |
| EQT 0103 43-74 | Benzene | | 0.01 | |
| | Ethyl benzene | | 0.002 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0104 44-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.003 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0105 45-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0105 45-74 | Biphenyl | | 0.002 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0106 46-74 | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0107 47-74 | Ammonia | | 0.004 | |
| | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.01 | |
| | Toluene | | <0.001 | |
| | n-Hexane | | 0.01 | |
| EQT 0108 48-74 | Benzene | | 0.005 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| EQT 0109 49-74 | Benzene | | 0.005 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| EQT 0110 50-74 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0112 63-74 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0112 63-74 | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0113 64-74 | 2,2,4-Trimethylpentane | | 0.13 | |
| | Benzene | | 0.03 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.02 | |
| EQT 0114 65-74 | 2,2,4-Trimethylpentane | | 0.04 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0115 66-74 | Cumene | | 0.003 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.07 | |
| | n-Hexane | | 0.37 | |
| EQT 0116 67-74 | Cumene | | 0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.04 | |
| | n-Hexane | | 0.18 | |
| EQT 0117 68-74 | 2,2,4-Trimethylpentane | | 0.06 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0117<br>68-74 | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0118<br>71-74 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0119<br>72-74 | 1,1,2,2-Tetrachloroethane | | <0.001 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | <0.001 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.01 | |
| | Methyl chloride | | <0.001 | |
| | Toluene | | <0.001 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0120<br>73-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| EQT 0121<br>74-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.01 | |
| | Cumene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0121<br>74-74 | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| EQT 0122<br>75-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| EQT 0123<br>76-74 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| EQT 0125<br>77-74 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.004 | |
| | Xylene (mixed isomers) | | 0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0125 77-74 | n-Hexane | | 0.08 | |
| EQT 0126 78-74 | Benzene | | 0.003 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.005 | |
| EQT 0127 79-74 | 2,2,4-Trimethylpentane | | 0.09 | |
| | Benzene | | 0.004 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0128 80-74 | Benzene | | 0.004 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.003 | |
| | Naphthalene | | 0.003 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0129 90-74 | Benzene | | 0.01 | |
| | Ethyl benzene | | 0.002 | |
| | Hydrogen sulfide | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.003 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.004 | |
| EQT 0131 93-80 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0131<br>93-80 | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | <0.001 | |
| EQT 0132<br>94-80 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | <0.001 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | <0.001 | |
| EQT 0133<br>95-80 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | <0.001 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0134 96-80 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | <0.001 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | <0.001 | |
| EQT 0135 97-80 | 1,1,2,2-Tetrachloroethane | | 0.02 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.02 | |
| | Chloroform | | <0.001 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Hydrogen sulfide | | 1.08 | |
| | Methyl chloride | | 0.06 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.03 | |
| | n-Hexane | | 0.11 | |
| EQT 0136 98-80 | 1,1,2,2-Tetrachloroethane | | 0.02 | |
| | 1,1,2-Trichloroethane | | <0.001 | |
| | Carbon disulfide | | 0.02 | |
| | Chloroform | | <0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Hydrogen sulfide | | 1.08 | |
| | Methyl chloride | | 0.06 | |
| | Toluene | | 0.02 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0136<br>98-80 | Vinyl acetate | | <0.001 | |
| | Xylene (mixed isomers) | | 0.03 | |
| EQT 0137<br>119-91 | Ammonia | | 0.01 | |
| | Hydrogen sulfide | | 0.04 | |
| EQT 0138<br>120-91 | Cumene | | 0.001 | |
| | Ethyl benzene | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.04 | |
| | n-Hexane | | 0.18 | |
| EQT 0139<br>121-91 | Ammonia | | <0.001 | |
| | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.01 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | 0.001 | |
| | n-Hexane | | <0.001 | |
| EQT 0141<br>126-93 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Phenol | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0142<br>127-93 | Benzene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Phenol | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| EQT 0143<br>99-80 | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.003 | |
| | Hydrogen sulfide | | 0.18 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.02 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0143 99-80 | n-Hexane | | 0.09 | |
| EQT 0159 14-74 | Hydrogen sulfide | | 0.005 | |
| EQT 0160 69-74 | Benzene | 0.002 | 0.003 | 0.01 |
| | Ethyl benzene | 0.002 | 0.003 | 0.01 |
| | Formaldehyde | 0.001 | 0.001 | <0.01 |
| | Hydrogen sulfide | 0.02 | 0.02 | 0.08 |
| | Polynuclear Aromatic Hydrocarbons | <0.001 | <0.001 | 0.001 |
| | Toluene | 0.01 | 0.01 | 0.04 |
| | Xylene (mixed isomers) | 0.01 | 0.01 | 0.03 |
| | Zinc (and compounds) | <0.001 | <0.001 | <0.01 |
| | n-Hexane | 0.05 | 0.06 | 0.21 |
| EQT 0161 70-74 | Hydrogen sulfide | | 0.005 | |
| EQT 0162 83-74 | 1,3-Butadiene | <0.001 | 0.04 | 0.001 |
| | Benzene | 0.01 | 0.01 | 0.02 |
| | Ethyl benzene | 0.001 | 0.002 | 0.01 |
| | Formaldehyde | <0.001 | 0.001 | <0.01 |
| | Hydrofluoric acid | 0.01 | 0.01 | 0.03 |
| | Hydrogen sulfide | 0.10 | 0.13 | 0.15 |
| | Polynuclear Aromatic Hydrocarbons | <0.001 | <0.001 | 0.001 |
| | Tetrachloroethylene | 0.01 | 0.01 | 0.05 |
| | Toluene | 0.005 | 0.01 | 0.02 |
| | Xylene (mixed isomers) | <0.001 | 0.001 | <0.01 |
| | Zinc (and compounds) | <0.001 | <0.001 | <0.01 |
| | n-Hexane | 0.14 | 0.18 | 0.60 |
| EQT 0165 86-74 | Antimony (and compounds) | 0.004 | 0.012 | 0.016 |
| | Arsenic (and compounds) | 0.001 | 0.001 | 0.001 |
| | Barium (and compounds) | 0.001 | 0.005 | 0.002 |
| | Benzene | 0.02 | 0.03 | 0.11 |
| | Cadmium (and compounds) | 0.001 | 0.001 | 0.001 |
| | Chromium VI (and compounds) | 0.001 | 0.001 | 0.002 |
| | Lead compounds | <0.001 | 0.002 | <0.01 |
| | Mercury (and compounds) | 0.001 | 0.001 | 0.001 |
| | Nickel (and compounds) | 0.001 | 0.002 | 0.003 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0165<br>86-74 | Sulfuric acid | 8.50 | 12.75 | 37.22 |
| | Toluene | 0.07 | 0.07 | 0.29 |
| | Xylene (mixed isomers) | 0.07 | 0.07 | 0.29 |
| | n-Hexane | 0.07 | 0.07 | 0.29 |
| EQT 0174<br>12-00 | Hydrogen sulfide | | 0.005 | |
| EQT 0178<br>3-05 | 2,2,4-Trimethylpentane | | 0.08 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.03 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.01 | |
| EQT 0223<br>34-08 | Toluene | | 0.01 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0224<br>35-08 | Acrylonitrile | | <0.001 | |
| | Benzene | | <0.001 | |
| | Biphenyl | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | <0.001 | |
| | Naphthalene | | <0.001 | |
| | Quinoline | | <0.001 | |
| | Styrene | | <0.001 | |
| | Toluene | | 0.002 | |
| | Xylene (mixed isomers) | | 0.002 | |
| EQT 0225<br>36-08 | 2,2,4-Trimethylpentane | | 0.05 | |
| | Benzene | | 0.02 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.01 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0225 36-08 | n-Hexane | | 0.10 | |
| EQT 0226 37-08 | 2,2,4-Trimethylpentane | | 0.05 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0227 38-08 | 2,2,4-Trimethylpentane | | 0.05 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0228 39-08 | Benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.02 | |
| | Toluene | | 0.002 | |
| | n-Hexane | | 0.02 | |
| EQT 0229 40-08 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.02 | |
| EQT 0230 41-08 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0230<br>41-08 | Ethyl benzene | | 0.004 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.02 | |
| EQT 0231<br>42-08 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Hydrogen sulfide | | 0.02 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.02 | |
| EQT 0232<br>43-08 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.01 | |
| EQT 0233<br>44-08 | 2,2,4-Trimethylpentane | | 0.07 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.004 | |
| | Naphthalene | | 0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.02 | |
| | n-Hexane | | 0.01 | |
| EQT 0236<br>47-08 | Ammonia | | 0.001 | |
| | Benzene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0236 47-06 | Ethyl benzene | | <0.001 | |
| | Hydrogen sulfide | | 0.01 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | <0.001 | |
| EQT 0237 57-08 | 2,2,4-Trimethylpentane | | 0.05 | |
| | Benzene | | 0.01 | |
| | Cumene | | <0.001 | |
| | Ethyl benzene | | 0.002 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | 0.02 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.01 | |
| EQT 0238 13-00 | Hydrogen sulfide | | 0.21 | |
| | Mercury (and compounds) | | <0.001 | |
| EQT 0239 26-06 | Hydrogen sulfide | | 0.04 | |
| | Mercury (and compounds) | | 0.003 | |
| EQT 0240 27-06 | Hydrogen sulfide | | 0.04 | |
| | Mercury (and compounds) | | 0.003 | |
| EQT 0241 28-06 | Hydrogen sulfide | | 0.08 | |
| | Mercury (and compounds) | | <0.001 | |
| EQT 0242 29-06 | Hydrogen sulfide | | 0.08 | |
| EQT 0243 51-74 | Hydrogen sulfide | | 0.85 | |
| EQT 0244 55-06 | 2,2,4-Trimethylpentane | | 0.03 | |
| | Benzene | | 0.08 | |
| | Ethyl benzene | | 0.01 | |
| | Formaldehyde | | 0.04 | |
| | Toluene | | 0.13 | |
| | Xylene (mixed isomers) | | 0.01 | |
| | n-Hexane | | 0.10 | |
| EQT 0246 1-06 | Hydrogen sulfide | | 1.91 | |
| | Mercury (and compounds) | | <0.001 | |
| EQT 0257 58-06 | 1,4-Dichlorobenzene | | <0.001 | |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0257<br>58-08 | Benzene | | <0.001 | |
| | Formaldehyde | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | 0.19 | |
| EQT 0258<br>59-08 | 1,4-Dichlorobenzene | | <0.001 | |
| | Benzene | | <0.001 | |
| | Formaldehyde | | 0.01 | |
| | Naphthalene | | <0.001 | |
| | Toluene | | <0.001 | |
| | Xylene (mixed isomers) | | <0.001 | |
| | n-Hexane | | 0.19 | |
| EQT 0262<br>63-08 | Benzene | <0.001 | <0.001 | <0.01 |
| EQT 0263<br>64-08 | Benzene | <0.001 | <0.001 | <0.01 |
| EQT 0266<br>67-08 | Benzene | <0.001 | <0.001 | <0.01 |
| EQT 0267<br>68-08 | Benzene | 0.01 | 0.01 | 0.03 |
| | Ethyl benzene | 0.003 | 0.004 | 0.02 |
| | Toluene | 0.01 | 0.02 | 0.06 |
| | Xylene (mixed isomers) | 0.01 | 0.02 | 0.06 |
| EQT 0268<br>69-08 | Benzene | 0.01 | 0.01 | 0.03 |
| | Ethyl benzene | 0.003 | 0.004 | 0.02 |
| | Toluene | 0.01 | 0.02 | 0.06 |
| | Xylene (mixed isomers) | 0.01 | 0.02 | 0.06 |
| EQT 0269<br>11-00 | Benzene | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.001 | | 0.01 |
| | Toluene | 0.004 | | 0.02 |
| | Xylene (mixed isomers) | 0.01 | | 0.02 |
| | n-Hexane | <0.001 | | <0.01 |
| EQT 0270<br>92-74 | Hydrogen sulfide | | 0.85 | |
| EQT 0271<br>61A-74 | 1,3-Butadiene | <0.001 | | 0.001 |
| | Benzene | 0.01 | | 0.06 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| EQT 0271<br>61A-74 | Biphenyl | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.003 | | 0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Phenol | <0.001 | | <0.01 |
| | Toluene | 0.01 | | 0.06 |
| | Xylene (mixed isomers) | 0.01 | | 0.04 |
| | n-Hexane | 0.01 | | 0.05 |
| EQT 0272<br>61B-74 | 1,3-Butadiene | 0.001 | | 0.003 |
| | Benzene | 0.001 | | 0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.003 | | 0.01 |
| | Xylene (mixed isomers) | 0.004 | | 0.02 |
| | n-Hexane | 0.004 | | 0.02 |
| EQT 0273<br>61C-74 | 1,3-Butadiene | 0.001 | | 0.003 |
| | Biphenyl | <0.001 | | <0.01 |
| | Hydrofluoric acid | 0.31 | | 1.37 |
| | n-Hexane | <0.001 | | <0.01 |
| EQT 0274<br>61D-74 | 1,3-Butadiene | <0.001 | | 0.001 |
| | Benzene | 0.004 | | 0.02 |
| | Biphenyl | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.003 | | 0.01 |
| | Xylene (mixed isomers) | 0.001 | | 0.01 |
| | n-Hexane | 0.04 | | 0.18 |
| EQT 0275<br>70-06 | Hydrogen sulfide | 0.003 | 0.01 | 0.01 |
| | Methyl chloride | <0.001 | <0.001 | <0.01 |
| EQT 0276<br>TV-14 | Ethyl benzene | 0.11 | 2.05 | 0.12 |
| | Methyl isobutyl ketone | 0.47 | 2.43 | 0.55 |
| | Xylene (mixed isomers) | 0.55 | 1.74 | 0.65 |
| FUG 0006<br>Unit 5 Fug. | 1,3-Butadiene | 0.001 | | 0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0006 Unit 5 Fug. | 2,2,4-Trimethylpentane | 0.003 | | 0.01 |
| | Benzene | 0.02 | | 0.07 |
| | Biphenyl | 0.002 | | 0.01 |
| | Cresol | 0.01 | | 0.06 |
| | Cumene | 0.004 | | 0.02 |
| | Ethyl benzene | 0.02 | | 0.09 |
| | Hydrogen sulfide | 0.05 | | 0.24 |
| | Methyl ethyl ketone | <0.001 | | <0.01 |
| | Naphthalene | 0.002 | | 0.01 |
| | Styrene | 0.01 | | 0.04 |
| | Toluene | 0.06 | | 0.26 |
| | Xylene (mixed isomers) | 0.07 | | 0.32 |
| | n-Hexane | 0.04 | | 0.16 |
| FUG 0009 Unit 47 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | 0.001 | | 0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.002 | | 0.01 |
| | Xylene (mixed isomers) | 0.002 | | 0.01 |
| | n-Hexane | 0.001 | | <0.01 |
| FUG 0012 Unit 55 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | 0.11 | | 0.49 |
| | Benzene | 0.07 | | 0.33 |
| | Biphenyl | <0.001 | | <0.01 |
| | Ethyl benzene | 0.04 | | 0.16 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.12 | | 0.53 |
| | Xylene (mixed isomers) | 0.21 | | 0.90 |
| | n-Hexane | 0.04 | | 0.17 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0013<br>Unit 7 Fug. | 2,2,4-Trimethylpentane | 0.001 | | 0.01 |
| | Benzene | 0.005 | | 0.02 |
| | Biphenyl | 0.01 | | 0.02 |
| | Cresol | 0.01 | | 0.03 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.005 | | 0.02 |
| | Naphthalene | 0.004 | | 0.02 |
| | Styrene | 0.004 | | 0.02 |
| | Toluene | 0.02 | | 0.07 |
| | Xylene (mixed isomers) | 0.02 | | 0.09 |
| | n-Hexane | 0.01 | | 0.03 |
| FUG 0014<br>Unit 8 Fug. | 1,3-Butadiene | <0.001 | | 0.002 |
| | Benzene | 0.005 | | 0.02 |
| | Biphenyl | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.002 | | 0.01 |
| | n-Hexane | 0.06 | | 0.24 |
| FUG 0015<br>Unit 9 Fug. | 1,3-Butadiene | 0.001 | | 0.003 |
| | Benzene | 0.01 | | 0.03 |
| | Biphenyl | <0.001 | | <0.01 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.003 | | 0.01 |
| | n-Hexane | 0.08 | | 0.34 |
| FUG 0016<br>Unit 10 Fug. | 1,3-Butadiene | 0.001 | | 0.002 |
| | 2,2,4-Trimethylpentane | 0.003 | | 0.01 |
| | Benzene | 0.02 | | 0.10 |
| | Biphenyl | 0.003 | | 0.02 |
| | Cresol | 0.01 | | 0.02 |
| | Cumene | 0.002 | | 0.01 |
| | Ethyl benzene | 0.01 | | 0.04 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Naphthalene | 0.02 | | 0.07 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0016 Unit 10 Fug. | Phenol | <0.001 | | <0.01 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.04 | | 0.16 |
| | Xylene (mixed isomers) | 0.04 | | 0.18 |
| | n-Hexane | 0.16 | | 0.70 |
| FUG 0017 Unit 11 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.01 | | 0.03 |
| | Biphenyl | 0.001 | | 0.01 |
| | Cumene | 0.002 | | 0.01 |
| | Ethyl benzene | 0.01 | | 0.05 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.04 | | 0.16 |
| | Xylene (mixed isomers) | 0.04 | | 0.20 |
| | n-Hexane | 0.03 | | 0.14 |
| FUG 0018 Unit 12 Fug. | Benzene | 0.09 | | 0.37 |
| | Cumene | 0.004 | | 0.02 |
| | Ethyl benzene | 0.05 | | 0.24 |
| | Naphthalene | 0.005 | | 0.02 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.26 | | 1.15 |
| | Xylene (mixed isomers) | 0.26 | | 1.13 |
| | n-Hexane | 0.05 | | 0.21 |
| FUG 0019 Unit 14 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.01 | | 0.06 |
| | Biphenyl | 0.004 | | 0.02 |
| | Cumene | 0.002 | | 0.01 |
| | Ethyl benzene | 0.01 | | 0.04 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Methyl ethyl ketone | 0.001 | | 0.01 |
| | Naphthalene | 0.004 | | 0.02 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.03 | | 0.13 |
| | Xylene (mixed isomers) | 0.03 | | 0.13 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0019 Unit 14 Fug. | n-Hexane | 0.02 | | 0.07 |
| FUG 0020 Unit 15 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.01 | | 0.04 |
| | Biphenyl | 0.002 | | 0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.002 | | 0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.01 | | 0.05 |
| | Xylene (mixed isomers) | 0.01 | | 0.03 |
| | n-Hexane | 0.002 | | 0.01 |
| FUG 0021 Unit 16 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.004 | | 0.02 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.004 | | 0.02 |
| | Naphthalene | <0.001 | | <0.01 |
| | Phenol | <0.001 | | <0.01 |
| | Toluene | 0.02 | | 0.08 |
| | Xylene (mixed isomers) | 0.03 | | 0.11 |
| | n-Hexane | 0.005 | | 0.02 |
| FUG 0022 Unit 17 Fug. | 1,3-Butadiene | 0.001 | | 0.004 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | <0.001 | | <0.01 |
| | Xylene (mixed isomers) | <0.001 | | <0.01 |
| | n-Hexane | <0.001 | | <0.01 |
| FUG 0024 Unit 19 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.001 | | 0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0024 Unit 19 Fug. | Biphenyl | <0.001 | | <0.01 |
| | Cresol | 0.005 | | 0.02 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.002 | | 0.01 |
| | Hydrogen sulfide | 0.05 | | 0.20 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.01 | | 0.03 |
| | Xylene (mixed isomers) | 0.01 | | 0.03 |
| | n-Hexane | 0.004 | | 0.02 |
| FUG 0025 Unit 20 Fug. | Hydrogen sulfide | 0.003 | | 0.01 |
| FUG 0027 Unit 22 Fug. | 1,3-Butadiene | <0.001 | | 0.002 |
| | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.06 | | 0.26 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.01 | | 0.03 |
| | Naphthalene | <0.001 | | <0.01 |
| | Phenol | <0.001 | | <0.01 |
| | Toluene | 0.03 | | 0.15 |
| | Xylene (mixed isomers) | 0.01 | | 0.04 |
| | n-Hexane | 0.04 | | 0.17 |
| FUG 0028 Unit 23 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.002 | | 0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.001 | | 0.01 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Toluene | 0.01 | | 0.03 |
| | Xylene (mixed isomers) | 0.01 | | 0.03 |
| | n-Hexane | 0.01 | | 0.04 |
| FUG 0029 Unit 24 Fug. | 1,3-Butadiene | <0.001 | | 0.001 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0029 Unit 24 Fug. | n-Hexane | 0.001 | | <0.01 |
| FUG 0030 Unit 25 Fug. | 1,3-Butadiene | <0.001 | | 0.001 |
| | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.04 | | 0.17 |
| | Biphenyl | 0.01 | | 0.03 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.03 | | 0.12 |
| | Naphthalene | 0.01 | | 0.05 |
| | Phenol | 0.002 | | 0.01 |
| | Styrene | 0.01 | | 0.02 |
| | Toluene | 0.07 | | 0.31 |
| | Xylene (mixed isomers) | 0.10 | | 0.43 |
| | n-Hexane | 0.02 | | 0.07 |
| FUG 0031 Unit 26 Fug. | 1,3-Butadiene | 0.002 | | 0.009 |
| | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.16 | | 0.72 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.11 | | 0.47 |
| | Hydrogen sulfide | 0.004 | | 0.02 |
| | Naphthalene | 0.001 | | 0.01 |
| | Phenol | 0.002 | | 0.01 |
| | Toluene | 0.19 | | 0.82 |
| | Xylene (mixed isomers) | 0.06 | | 0.28 |
| | n-Hexane | 0.02 | | 0.09 |
| FUG 0032 Unit 27 Fug. | 1,3-Butadiene | 0.009 | | 0.041 |
| | 2,2,4-Trimethylpentane | 0.002 | | 0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Biphenyl | 0.002 | | 0.01 |
| | Cresol | 0.002 | | 0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.001 | | <0.01 |
| | Hydrofluoric acid | 0.34 | | 1.50 |
| | Naphthalene | <0.001 | | <0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0032 Unit 27 Fug. | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.004 | | 0.02 |
| | Xylene (mixed isomers) | 0.005 | | 0.02 |
| | n-Hexane | 0.01 | | 0.05 |
| FUG 0033 Unit 28 Fug. | 1,3-Butadiene | <0.001 | | 0.001 |
| | n-Hexane | <0.001 | | <0.01 |
| FUG 0035 Unit 32 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | <0.001 | | <0.01 |
| | Xylene (mixed isomers) | <0.001 | | <0.01 |
| | n-Hexane | <0.001 | | <0.01 |
| FUG 0036 Unit 33 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | 0.003 | | 0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.004 | | 0.02 |
| | Xylene (mixed isomers) | 0.004 | | 0.02 |
| | n-Hexane | 0.002 | | 0.01 |
| FUG 0039 Unit 43 Fug. | 1,3-Butadiene | <0.001 | | 0.001 |
| | n-Hexane | <0.001 | | <0.01 |
| FUG 0040 Unit 46 Fug. | 1,3-Butadiene | 0.005 | | 0.021 |
| | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0040<br>Unit 46 Fug. | Benzene | <0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.001 | | 0.01 |
| | Xylene (mixed isomers) | 0.001 | | 0.01 |
| | n-Hexane | 0.002 | | 0.01 |
| FUG 0041<br>Unit 50 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | 0.004 | | 0.02 |
| | Benzene | 0.004 | | 0.02 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | 0.005 | | 0.02 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.004 | | 0.02 |
| | Methanol | <0.001 | | <0.01 |
| | Naphthalene | 0.001 | | 0.01 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.02 | | 0.08 |
| | Xylene (mixed isomers) | 0.02 | | 0.08 |
| | n-Hexane | 0.01 | | 0.04 |
| FUG 0043<br>Unit 59 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | 0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | 0.004 | | 0.02 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.001 | | 0.01 |
| | Naphthalene | <0.001 | | <0.01 |
| | Styrene | 0.001 | | 0.01 |
| | Toluene | 0.01 | | 0.02 |
| | Xylene (mixed isomers) | 0.01 | | 0.02 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0043 Unit 59 Fug. | n-Hexane | 0.003 | | 0.01 |
| FUG 0044 Unit 60 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | 0.002 | | 0.01 |
| | Benzene | 0.005 | | 0.02 |
| | Biphenyl | 0.002 | | 0.01 |
| | Cresol | 0.02 | | 0.07 |
| | Cumene | 0.001 | | 0.01 |
| | Ethyl benzene | 0.01 | | 0.02 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Naphthalene | 0.002 | | 0.01 |
| | Styrene | 0.01 | | 0.03 |
| | Toluene | 0.02 | | 0.10 |
| | Xylene (mixed isomers) | 0.02 | | 0.10 |
| | n-Hexane | 0.01 | | 0.06 |
| FUG 0045 Unit 65 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | n-Hexane | <0.001 | | <0.01 |
| FUG 0046 Unit 56 Fug. | Benzene | 0.01 | | 0.03 |
| | Biphenyl | 0.01 | | 0.03 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.01 | | 0.03 |
| | Naphthalene | 0.01 | | 0.02 |
| | Styrene | 0.002 | | 0.01 |
| | Toluene | 0.02 | | 0.08 |
| | Xylene (mixed isomers) | 0.02 | | 0.11 |
| | n-Hexane | 0.01 | | 0.03 |
| FUG 0082 Unit 41 Fug. | 2,2,4-Trimethylpentane | <0.001 | | <0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | <0.001 | | <0.01 |
| | Hydrogen sulfide | <0.001 | | <0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0082 Unit 41 Fug. | Naphthalene | <0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.004 | | 0.02 |
| | Xylene (mixed isomers) | 0.003 | | 0.01 |
| | n-Hexane | 0.004 | | 0.02 |
| FUG 0084 Unit 63 Fug. | 1,3-Butadiene | 0.001 | | 0.003 |
| | 2,2,4-Trimethylpentane | 0.04 | | 0.19 |
| | Benzene | 0.07 | | 0.32 |
| | Biphenyl | 0.01 | | 0.04 |
| | Cresol | 0.01 | | 0.06 |
| | Cumene | 0.01 | | 0.03 |
| | Ethyl benzene | 0.06 | | 0.25 |
| | Hydrochloric acid | 0.06 | | 0.25 |
| | Hydrogen sulfide | <0.001 | | <0.01 |
| | Methanol | 0.003 | | 0.01 |
| | Naphthalene | 0.03 | | 0.11 |
| | Phenol | <0.001 | | <0.01 |
| | Styrene | 0.01 | | 0.04 |
| | Toluene | 0.26 | | 1.15 |
| | Xylene (mixed isomers) | 0.27 | | 1.19 |
| | n-Hexane | 0.12 | | 0.54 |
| FUG 0085 Unit 64 Fug. | 1,3-Butadiene | 0.001 | | 0.006 |
| | n-Hexane | 0.001 | | 0.01 |
| FUG 0086 Unit 67 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | 0.01 | | 0.06 |
| | Benzene | 0.02 | | 0.08 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | 0.002 | | 0.01 |
| | Ethyl benzene | 0.01 | | 0.06 |
| | Methanol | <0.001 | | <0.01 |
| | Naphthalene | 0.003 | | 0.01 |
| | Phenol | <0.001 | | <0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| FUG 0086<br>Unit 67 Fug. | Styrene | 0.001 | | <0.01 |
| | Toluene | 0.07 | | 0.31 |
| | Xylene (mixed isomers) | 0.07 | | 0.33 |
| | n-Hexane | 0.02 | | 0.07 |
| FUG 0087<br>Unit 71 Fug. | 1,3-Butadiene | <0.001 | | <0.001 |
| | 2,2,4-Trimethylpentane | 0.005 | | 0.02 |
| | Benzene | 0.004 | | 0.02 |
| | Biphenyl | <0.001 | | <0.01 |
| | Cresol | <0.001 | | <0.01 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.003 | | 0.01 |
| | Methanol | <0.001 | | <0.01 |
| | Naphthalene | 0.001 | | <0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.02 | | 0.07 |
| | Xylene (mixed isomers) | 0.02 | | 0.07 |
| | n-Hexane | 0.004 | | 0.02 |
| GRP 0018<br>129-95 | 1,1,2,2-Tetrachloroethane | 0.05 | | 0.21 |
| | 1,1,2-Trichloroethane | <0.001 | | <0.01 |
| | Acrylonitrile | 0.001 | | 0.002 |
| | Benzene | 0.01 | | 0.04 |
| | Biphenyl | 0.04 | | 0.18 |
| | Carbon disulfide | 0.04 | | 0.20 |
| | Chloroform | 0.001 | | <0.01 |
| | Cumene | 0.01 | | 0.06 |
| | Ethyl benzene | 0.08 | | 0.33 |
| | Hydrogen sulfide | 2.47 | | 10.83 |
| | Methyl chloride | 0.13 | | 0.58 |
| | Naphthalene | 0.003 | | 0.01 |
| | Styrene | <0.001 | | <0.01 |
| | Toluene | 0.25 | | 1.11 |
| | Xylene (mixed isomers) | 0.41 | | 1.80 |
| | n-Hexane | 1.82 | | 7.99 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| GRP 0019<br>130-95 | 2,2,4-Trimethylpentane | 0.93 | | 4.06 |
| | Ammonia | 0.01 | | 0.06 |
| | Benzene | 0.25 | | 1.11 |
| | Cumene | 0.01 | | 0.03 |
| | Ethyl benzene | 0.07 | | 0.32 |
| | Hydrogen sulfide | 0.28 | | 1.22 |
| | Naphthalene | 0.03 | | 0.13 |
| | Toluene | 0.43 | | 1.87 |
| | Xylene (mixed isomers) | 0.32 | | 1.41 |
| | n-Hexane | 0.72 | | 3.15 |
| GRP 0020<br>133-00 | 1,4-Dichlorobenzene | <0.001 | | <0.01 |
| | Benzene | <0.001 | | <0.01 |
| | Formaldehyde | 0.01 | | 0.06 |
| | Toluene | <0.001 | | <0.01 |
| | Xylene (mixed isomers) | <0.001 | | <0.01 |
| | n-Hexane | 0.31 | | 1.36 |
| GRP 0021<br>TOC | Hydrogen sulfide | 0.01 | | 0.04 |
| GRP 0032<br>25-08 | Hydrogen sulfide | 5.70 | | 14.40 |
| | Mercury (and compounds) | 0.006 | | 0.001 |
| GRP 0033<br>MVCC | 1,1,2-Trichloroethane | <0.001 | | <0.01 |
| | 2,2,4-Trimethylpentane | 0.05 | | 0.21 |
| | Benzene | 0.14 | | 0.63 |
| | Chlorobenzene | 0.001 | | 0.004 |
| | Cumene | <0.001 | | <0.01 |
| | Ethyl benzene | 0.01 | | 0.05 |
| | Formaldehyde | 0.07 | | 0.31 |
| | Toluene | 0.23 | | 0.99 |
| | Xylene (mixed isomers) | 0.02 | | 0.08 |
| | n-Hexane | 0.19 | | 0.81 |
| UNF 0005<br>Whole Refinery | 1,1,2,2-Tetrachloroethane | | | 0.26 |
| | 1,1,2-Trichloroethane | | | 0.01 |
| | 1,3-Butadiene | | | 0.12 |
| | 1,4-Dichlorobenzene | | | <0.01 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| UNF 0005<br>Whole Refinery | 2,2,4-Trimethylpentane | | | 5.65 |
| | Acrylonitrile | | | <0.01 |
| | Ammonia | | | 7.38 |
| | Antimony (and compounds) | | | 0.02 |
| | Arsenic (and compounds) | | | <0.01 |
| | Barium (and compounds) | | | <0.01 |
| | Benzene | | | 19.99 |
| | Biphenyl | | | 0.43 |
| | Cadmium (and compounds) | | | <0.01 |
| | Carbon disulfide | | | 0.25 |
| | Chlorinated Dibenzo-P-Dioxins | | | <0.001 |
| | Chlorinated dibenzofurans | | | <0.001 |
| | Chlorine | | | 3.40 |
| | Chlorobenzene | | | <0.01 |
| | Chloroform | | | 0.01 |
| | Chromium VI (and compounds) | | | <0.01 |
| | Cresol | | | 0.43 |
| | Cumene | | | 0.24 |
| | Ethyl benzene | | | 7.12 |
| | Formaldehyde | | | 0.38 |
| | Hydrochloric acid | | | 14.15 |
| | Hydrofluoric acid | | | 2.90 |
| | Hydrogen sulfide | | | 29.90 |
| | Lead compounds | | | <0.01 |
| | Mercury (and compounds) | | | <0.01 |
| | Methanol | | | 0.02 |
| | Methyl chloride | | | 0.73 |
| | Methyl ethyl ketone | | | 1.84 |
| | Methyl isobutyl ketone | | | 0.74 |
| | Naphthalene | | | 6.92 |
| | Nickel (and compounds) | | | <0.01 |
| | Phenol | | | 0.09 |
| | Polynuclear Aromatic Hydrocarbons | | | 0.48 |

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|---|---|---|---|---|
| UNF 0005<br>Whole Refinery | Styrene | | | 0.22 |
| | Sulfuric acid | | | 37.22 |
| | Tetrachloroethylene | | | 4.37 |
| | Toluene | | | 33.20 |
| | Xylene (mixed isomers) | | | 18.95 |
| | Zinc (and compounds) | | | <0.01 |
| | n-Hexane | | | 28.78 |

**Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.**

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0233 44-08 - Kerosene Tank (500-16)

| | | |
|---|---|---|
| 1761 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1762 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1763 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1764 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1765 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1766 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1767 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1768 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1769 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1770 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1771 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1772 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1773 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1774 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1775 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1776 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0232 43-08 - Gasoline Tank (500-15)

| | | |
|---|---|---|
| 1743 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1744 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1745 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1746 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1747 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1748 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0233 44-08 - Kerosene Tank (500-16)

| | | |
|---|---|---|
| 1749 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1750 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1751 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1752 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1753 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1754 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1755 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1756 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1757 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1758 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1759 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1760 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0232 43-08 - Gasoline Tank (500-15)

| | | |
|---|---|---|
| 1727 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1728 | [40 CFR 63.655(f)] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.655(f)] |
| 1729 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1730 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1731 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1732 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1733 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1734 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1735 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1736 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1737 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1738 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1739 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1740 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1741 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1742 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |

**EQT 0231 42-08 - Gasoline Tank (500-14)**

| | | |
|---|---|---|
| 1711 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1712 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1713 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1714 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1715 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1716 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1717 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1718 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1719 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

**EQT 0232 43-08 - Gasoline Tank (500-15)**

| | | |
|---|---|---|
| 1720 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1721 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1722 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1723 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1724 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1725 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1726 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0231 42-08 - Gasoline Tank (500-14)

| | | |
|---|---|---|
| 1693 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1694 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1695 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1696 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1697 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1698 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1699 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1700 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1701 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1702 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1703 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1704 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1705 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1706 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1707 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1708 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1709 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1710 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |

### EQT 0230 41-08 - Crude Tank (500-13)

| | | |
|---|---|---|
| 1678 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1679 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 1680 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1681 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 1682 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1683 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1684 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1685 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1686 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1687 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1688 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1689 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1690 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0231 42-08 - Gasoline Tank (500-14)

| | | |
|---|---|---|
| 1691 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1692 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0229 40-08 - Crude Tank (500-12)

| | | |
|---|---|---|
| 1661 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to he compliance with MACT in accordance with LAC 33:III.5109.A2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

## EQT 0230 41-08 - Crude Tank (500-13)

| | | |
|---|---|---|
| 1662 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1663 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1664 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1665 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1666 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1667 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1668 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1669 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1670 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1671 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1672 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1673 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1674 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1675 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1676 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1677 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |

**EQT 0229 40-08 - Crude Tank (500-12)**

| | | |
|---|---|---|
| 1645 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1646 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1647 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1648 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1649 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1650 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1651 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1652 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1653 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1654 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1655 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1656 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1657 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1658 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1659 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1660 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0228 39-08 - Crude Tank (500-11)

| | | |
|---|---|---|
| 1627 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1628 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1629 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1630 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1631 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1632 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1633 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) and LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

## EQT 0229 40-08 - Crude Tank (500-12)

| | | |
|---|---|---|
| 1634 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1635 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1636 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1637 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1638 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1639 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1640 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1641 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1642 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1643 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1644 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |

### EQT 0227 38-08 - Gasoline Tank (300-17)

| | | |
|---|---|---|
| 1612 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1613 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0228 39-08 - Crude Tank (500-11)

| | | |
|---|---|---|
| 1614 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 2%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 1615 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1616 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1617 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1618 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1619 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1620 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1621 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1622 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1623 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1624 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1625 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1626 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0227 38-08 - Gasoline Tank (300-17)

| | | |
|---|---|---|
| 1596 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1597 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1598 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1599 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1600 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1601 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1602 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1603 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1604 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1605 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1606 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1607 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1608 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1609 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1610 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1611 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |

### EQT 0226 37-08 - Gasoline Tank (300-16)

| | | |
|---|---|---|
| 1578 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1579 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1580 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1581 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1582 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1583 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1584 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0227 38-08 - Gasoline Tank (300-17)

| | | |
|---|---|---|
| 1585 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1586 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1587 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1588 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1589 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1590 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1591 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1592 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1593 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1594 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1595 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0226 37-08 - Gasoline Tank (300-16)

| | | |
|---|---|---|
| 1562 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1563 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1564 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1565 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1566 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1567 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1568 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1569 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1570 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1571 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1572 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1573 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1574 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1575 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1576 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1577 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |

### EQT 0225 36-08 - Gasoline Tank (300-15)

| | | |
|---|---|---|
| 1546 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 1547 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1548 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1549 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1550 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1551 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1552 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1553 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1554 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1555 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

### EQT 0226 37-08 - Gasoline Tank (300-16)

| | | |
|---|---|---|
| 1556 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1557 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1558 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1559 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1560 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1561 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0225 36-08 - Gasoline Tank (300-15)

| | | |
|---|---|---|
| 1529 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1530 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1531 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1532 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1533 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1534 | [40 CFR 63.655(h)(2)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.655(h)(2)] |
| 1535 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1536 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1537 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1538 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1539 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1540 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1541 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1542 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1543 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1544 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1545 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |

### EQT 0183 2-05 - NDHT/LP Stripper Reboiler (56-1402)

| | | |
|---|---|---|
| 1517 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1518 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1519 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0223 34-08 - No. 6 Fuel Oil Tank (200-7)

| | | |
|---|---|---|
| 1520 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 1521 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1522 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0224 35-08 - Gasoil Tank (300-14)

| | | |
|---|---|---|
| 1523 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 1524 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1525 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordane with LAC 33:III.5109.A.2. |

### EQT 0225 36-08 - Gasoline Tank (300-15)

| | | |
|---|---|---|
| 1526 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1527 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1528 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0181 3-04 - GDU Stabilizer Reboiler (55-1403)

| | | |
|---|---|---|
| 1507 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0182 1-05 - NDHT Reactor Charge Heater (56-1401)

| | | |
|---|---|---|
| 1508 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1509 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1510 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1511 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1512 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1513 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0183 2-05 - NDHT/LP Stripper Reboiler (56-1402)

| | | |
|---|---|---|
| 1514 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1515 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1516 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |

### EQT 0180 2-04 - GDU/HDS Finishing Reactor Feed Heater (55-1402)

| | | |
|---|---|---|
| 1496 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1497 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1498 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1499 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1500 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1501 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0181 3-04 - GDU Stabilizer Reboiler (55-1403)

| | | |
|---|---|---|
| 1502 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1503 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1504 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1505 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1506 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0178 3-05 - Gasoline Tank (500-10)

| | | |
|---|---|---|
| 1486 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 51.21] |
| 1487 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0179 1-04 - GDU Splitter Reboiler (55-1401)

| | | |
|---|---|---|
| 1488 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1489 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1490 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1491 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1492 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1493 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1494 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1495 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0180 2-04 - GDU/HDS Finishing Reactor Feed Heater (55-1402)

**EQT 0178 3-05 - Gasoline Tank (500-10)**

| | | |
|---|---|---|
| 1471 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1472 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1473 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1474 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1475 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1476 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1477 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1478 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1479 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1480 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1481 | [LAC 33:III.2103.E.1] | VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.<br>Which Months: All Year Statistical Basis: None specified |
| 1482 | [LAC 33:III.2103.E.2] | VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.<br>Which Months: All Year Statistical Basis: None specified |
| 1483 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1484 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1485 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0174 12-00 - Thermal Oxidizer No. 3 (45-1405)

| | | |
|---|---|---|
| 1454 | [LAC 33:III.5113.B.2] | If required: Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. |
| 1455 | [LAC 33:III.5113.B.3] | Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. |
| 1456 | [LAC 33:III.5113.B.4] | Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. |
| 1457 | [LAC 33:III.5113.B.6] | Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. |
| 1458 | [LAC 33:III.5113.B.7] | Submit notification if required: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. |
| 1459 | [LAC 33:III.5113.C.1] | Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. |
| 1460 | [LAC 33:III.5113.C.2] | Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. |

## EQT 0178 3-05 - Gasoline Tank (500-10)

| | | |
|---|---|---|
| 1461 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1462 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1463 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1464 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1465 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1466 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1467 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1468 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1469 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1470 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |

### EQT 0173 1-00 - Coker Charge Heater (5-1401)

| | | |
|---|---|---|
| 1440 | [40 CFR 63.654(i)(3)] | Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)] |
| 1441 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1442 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1443 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0174 12-00 - Thermal Oxidizer No. 3 (45-1405)

| | | |
|---|---|---|
| 1444 | [40 CFR 60.104(a)(2)(i)] | Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i), LAC 33:III.1509]<br>Which Months: All Year Statistical Basis: Twelve-hour average |
| 1445 | [40 CFR 60.105(a)(5)] | Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. The span of the system shall be 500 ppm. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1446 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1447 | [40 CFR 60.106] | Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. |
| 1448 | [40 CFR 63.1568(a)(1)] | Sulfur dioxide <= 250 ppmv (dry basis) at 0% excess air. Subpart UUU. [40 CFR 63.1568(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1449 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1450 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1451 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1452 | [LAC 33:III.5113.B.1] | If required: Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. |
| 1453 | [LAC 33:III.5113.B.1] | Submit test results if required: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0171 111-91 - Boiler No. 1 (Unit 42) (42-1601)

| | | |
|---|---|---|
| 1430 | [LAC 33:III.509] | Carbon monoxide: Permittee shall install and operate the oxygen analyzer to monitor the oxygen envelope to show continuous compliance with carbon monoxide emission limits as per PSD Permit No. PSD-LA-568. Oxygen evelope shall be maintained between 2.8 to 4.1 percent excess oxygen. The oxygen analyzer installation and operation shall meet the Quality Assurance Standards per 40 CFR 60, Appendix F. [LAC 33:III.509, 40 CFR 52.21] |
| 1431 | [LAC 33:III.509] | Permittee shall maintain and operate NOx and O2 Continuous Emission Monitoring Systems (CEMS) in accordance with the quantity assurance and quality control measures as per NSPS, 40 CFR 60, Appendix F, In lieu of NSPS, 40 CFR 60, Appendix F, 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every three years, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter in which RAA or RATA is not performed [Consent Decree]. [LAC 33:III.509, 40 CFR 52.21] |

## EQT 0173 1-00 - Coker Charge Heater (5-1401)

| | | |
|---|---|---|
| 1432 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the exemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permiittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan approved by EPA on December 15, 2005. [40 CFR 60.104(a)(1)] |
| 1433 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1434 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1435 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1436 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1437 | [40 CFR 63.643(a)(2)] | Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1438 | [40 CFR 63.643(b)] | Introduce organic HAP vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. Subpart CC. [40 CFR 63.643(b)] |
| 1439 | [40 CFR 63.645(a)] | Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)] |

### EQT 0171 111-91 - Boiler No. 1 (Unit 42) (42-1601)

| | | |
|---|---|---|
| 1416 | [40 CFR 60.44b] | Nitrogen oxides <= 0.2 lb/MMBTU heat input (expressed as NO2). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db.<br>Which Months: All Year Statistical Basis: Thirty-day rolling average |
| 1417 | [40 CFR 60.48b(b)(1)] | Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]<br>Which Months: All Year Statistical Basis: One-hour average |
| 1418 | [40 CFR 60.48b(b)(1)] | Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)] |
| 1419 | [40 CFR 60.48b(c)] | Operate NOx continuous monitoring systems and record data during all periods of operation except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)] |
| 1420 | [40 CFR 60.48b(e)] | Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)] |
| 1421 | [40 CFR 60.48b(f)] | When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)] |
| 1422 | [40 CFR 60.48b(g)] | Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)] |
| 1423 | [40 CFR 60.49b(b)] | Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)] |
| 1424 | [40 CFR 60.49b(d)] | Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)] |
| 1425 | [40 CFR 60.49b(h)] | Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)] |
| 1426 | [40 CFR 60.49b(o)] | Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)] |
| 1427 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1428 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1429 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0170 102-90 - ROSE Deasphalting Heater (7-1401)

| | | |
|---|---|---|
| 1405 | [40 CFR 60.49b(h)] | Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)] |
| 1406 | [40 CFR 60.49b(o)] | Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)] |
| 1407 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1408 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1409 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1410 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0171 111-91 - Boiler No. 1 (Unit 42) (42-1601)

| | | |
|---|---|---|
| 1411 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1412 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1413 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1414 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1415 | [40 CFR 60.44(b)] | Nitrogen oxides: Permittee shall install and operate the NOx analyzer to monitor continuous compliance with the nitrogen oxide emission standards of 40 CFR 60, Subpart Db as per Permit No. PSD-LA-568. NOx CEM installed as required under the Consent Decree. The oxygen analyzer installation and operation shall meet the Quality Assurance Standards per 40 CFR 60, Appendix F. [40 CFR 60.44(b)] |

### EQT 0169 101-85 - LSR Hydrotreater Stripper Reboiler (08-1402)

| | | |
|---|---|---|
| 1393 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1394 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1395 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1396 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1397 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1398 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0170 102-90 - ROSE Deasphalting Heater (7-1401)

| | | |
|---|---|---|
| 1399 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1400 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1401 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1402 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1403 | [40 CFR 60.44(b)] | Nitrogen oxides: Permittee shall install and operate the NOx analyzer to monitor continuous compliance with the nitrogen oxide emission standards of 40 CFR 60, Subpart Db as per Permit No. PSD-LA-568. NOx CEM installed as required under the Consent Decree. The oxygen analyzer installation and operation shall meet the Quality Assurance Standards per 40 CFR 60, Appendix F. [40 CFR 60.44(b)] |
| 1404 | [40 CFR 60.49b(b)] | Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0167 92-80 - Sats. Gas Hot Oil Heater (22-1401)

| | | |
|---|---|---|
| 1380 | [40 CFR 63.643(b)] | Introduce organic HAP vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. Subpart CC. [40 CFR 63.643(b)] |
| 1381 | [40 CFR 63.645(a)] | Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)] |
| 1382 | [40 CFR 63.654(i)(3)] | Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)] |
| 1383 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1384 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1385 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1386 | [LAC 33:III.2115] | Permittee shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC in lieu of LAC 33:III.2115. |

## EQT 0168 100-85 - LSR Hydrotreater Charge Heater (08-1401)

| | | |
|---|---|---|
| 1387 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1388 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1389 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1390 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1391 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1392 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0166 89-74 - Platformer Interheater No. 5 (12-1403)

| | | |
|---|---|---|
| 1370 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1371 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix] |
| 1372 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1373 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1374 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1375 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0167 92-80 - Sats. Gas Hot Oil Heater (22-1401)

| | | |
|---|---|---|
| 1376 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1377 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the excemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan submitted to EPA. [40 CFR 60.104(a)(1)] |
| 1378 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1379 | [40 CFR 63.643(a)(2)] | Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0165 86-74 - FCC Regenerator Vent (30-1401)

1363 [LAC 33:III.509] Permittee shall use the equations cited below to determine the flue gas flow rate from the FCCU Regenrator before entering the emissions control system:
Equation A :- Flue Gas Rate = DryAir(lbmol/hr) * (100 - OxyEnr/Inerts)

Equation B :- DryAir(lbmol/hr) = WetAir(lbmol/hr) * (1 - (MolesH2O/MolesWetAir))
Where WetAir(lbmol/hr) = (MABFlow(scfm) * 60(min/hr)) + PipelineO2Flow(scfh)/379(scf/lbmol)
Where MABFlow(scfm) = Main Air Blower flow rate as read by the flow meter located on the air blower pipeline in standard cubic feet per hour (scfh)
Where PipelineO2Flow = Pipeline O2 flow rate as read by the flow meter located at the O2 pipeline in standard cubic feet per hour (scfh)

MolesH2O/MolesWetAir in Equation B shall be calculated using the following equations:
PH2O/Ptotal = MolesH2O/MolesWetAir = (MolesH2O/(MolesH2O + MolesDryAir) = (PvRH/(100 * 14.7)
Where Pv = 10 to the power of (6.40375 - 3165.36/T + 392.565), and T is ambient temperature in Fahrenheit

Inerts in the Equation A shall be calculated as follows:
Inerts = 100 - (CO(ppm)/10000) - CO2(mole%) - O2(mole%))
Where CO, CO2 and O2 data is obtained from CEMs. [LAC 33:III.509, 40 CFR 52.21, LAC 33:III.507.H.1.a]

1364 [LAC 33:III.509] HAP: Permittee has obtained a six year extension for the metals emissions from the FCCU Regenerator, Emission Point 86-74, until April 10, 2011. After this point in time the permittee shall comply with all the applicable requirements of 40 CFR 63, Subpart UUU. [LAC 33:III.509, 40 CFR 52.21, 40 CFR 63.1564]

1365 [LAC 33:III.509] Full burn operation is considered as BACT for control of CO, and VOC emissions. [LAC 33:III.509, 40 CFR 52.21]

1366 [LAC 33:III.509] Nitrogen dioxide <= 61 ppmv at 0% oxygen based on seven day rolling average and 41 ppmv at 0% oxygen based on 365 day rolling average by utilizing Catalyst Additives. [Consent Decree].
Which Months: All Year Statistical Basis: Annual average

1367 [LAC 33:III.509] Particulate matter (10 microns or less) <= 0.60 lb/ton of coke burn rate is considered as BACT. [LAC 33:III.509, 40 CFR 52.21]
Which Months: All Year Statistical Basis: Annual average

## EQT 0166 89-74 - Platformer Interheater No. 5 (12-1403)

1368 [40 CFR 60.104(a)(1)] The waste gas streams meet the excemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan submitted to EPA. [40 CFR 60.104(a)(1)]

1369 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: Three-hour rolling average

**EQT 0165 86-74 - FCC Regenerator Vent (30-1401)**

| | | |
|---|---|---|
| 1355 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1356 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1357 | [40 CFR 63.1564] | Organic HAP: Compliance with all the applicable requirements of 40 CFR 60, Subpart Ja - Standards of Performance for Petroleum Refineries is considered compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU - Catalytic Cracking Unit. [40 CFR 63.1564, 40 CFR 63.1565] |
| 1358 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1359 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1360 | [LAC 33:III.507.H.1.a] | Sulfur Trioxide: Permittee shall compute the sulfur trioxide and VOC emissions by multiplying the flue gas flow rate by the emission factor obtained through stack tests. [LAC 33:III.507.H.1.a, LAC 33:III.509, 40 CFR 52.21] |
| 1361 | [LAC 33:III.507.H.1.a] | Permittee shall limit NOx emissions to 96.56 lb/hr on a seven day rolling average and limit NOx emissions to 270.40 tons/yr on a 365 day rolling average. Permittee shall conduct performance evaluations of each NOx monitor according to the requirements in 40 CFR 60.13(c) and Performance Specification 2 of 40 CFR 60.Appendix B and the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F. These records shall be kept on site and available for inspection by the Office of Compliance, Surveillance Division. Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Subpart Ja. [LAC 33:III.507.H.1.a, 40 CFR 52.21, LAC 33:III.509]<br>Which Months: All Year Statistical Basis: None specified |
| 1362 | [LAC 33:III.507] | The permittee shall comply with the short term limits for FCCU NOx emissions limit based on the Hydrotreater outage NOx Minimization Plan that has been submitted to the EPA at all times during the period of startup, shutdown, and malfunction of the Hydrotreater. [Consent Decree]. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0165 86-74 - FCC Regenerator Vent (30-1401)

| | | |
|---|---|---|
| 1343 | [40 CFR 60.102a(b)(3)] | Sulfur dioxide <= 50 ppmdv; or Sulfur dioxide <= 25 ppmvd on a 365-day rolling average. Subpart Ja. [40 CFR 60.102a(b)(3), LAC 33:III.1503, LAC 33:III.509, 40 CFR 52.21]<br>Which Months: All Year Statistical Basis: Seven-day rolling average |
| 1344 | [40 CFR 60.102a(b)(4)] | Carbon monoxide <= 500 ppmv (dry basis). Subpart Ja. [40 CFR 60.102a(b)(4)]<br>Which Months: All Year Statistical Basis: Hourly avg maximum |
| 1345 | [40 CFR 60.103a(b)] | Permittee shall limit CO emissions to 481.76 lb/hr on a one-hour average and limit CO emissions to 633.03 tons/yr on a 365 day rolling average. Permittee shall conduct performance evaluations of each O2 and CO monitor according to the requirements in 40 CFR 60.13(c) and Performance Speciation 4 or 4A of 40 CFR 60.Appendix B. Shall maintain the CEM in accordance with the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F. These records shall be kept on site and available for inspection by the Office of Compliance, Surveillance Division Carbon monoxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.105a(h). Subpart Ja. [LAC 33:III.509, 40 CFR 52.21, 40 CFR 60.105a(b)(2), 40 CFR 60.103a(b)]<br>Which Months: All Year Statistical Basis: None specified |
| 1346 | [40 CFR 60.104a(a-j)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.104a, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Ja. [40 CFR 60.104a(a-j)] |
| 1347 | [40 CFR 60.105a(a)(g)] | Permittee shall limit SO2 emissions to 110.12 lb/hr on a seven day rolling average and limit SO2 emissions to 173.63 tons/yr on a 365 day rolling average. Permittee shall conduct performance evaluations of each SO2 monitor according to the requirements in 40 CFR 60.13(c) and Performance Specification 2 of 40 CFR 60.Appendix B and the quality assurance and quality control (QA/QC) measures as per NSPS, 40 CFR 60, Appendix F. These records shall be kept on site and available for inspection by the Office of Compliance, Surveillance Division Sulfur dioxide monitored by continuous emission monitor (CEM) continuously at the outlet of the SO2 control device. Subpart Ja. [LAC 33:III.509, 40 CFR 52.21, 40 CFR 60.105a(a)(g)]<br>Which Months: All Year Statistical Basis: None specified |
| 1348 | [40 CFR 60.105a(b)(2)] | Oxygen monitored by continuous emission monitor (CEM) continuously at both the inlet and outlet of the sulfur dioxide control device (or the outlet only if specifically complying with the 50 ppmv standard). Subpart Ja. [40 CFR 60.105a(b)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1349 | [40 CFR 60.105a(d, f, g, h)(12) | Use the procedures in 40 CFR 60.105a to evaluate the continuous monitoring systems. Subpart Ja. [40 CFR 60.105a(d, f, g, h)(12)] |
| 1350 | [40 CFR 60.105a(g)] | Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Maintain SO2 concentration limit of 50 ppmvd determined on a seven day rolling average basis and a concentration limit of 25 ppmvd on a 365 day rolling average. Subpart Ja. [40 CFR 60.105a(g), 40 CFR 52.21, LAC 33:III.509]<br>Which Months: All Year Statistical Basis: None specified |
| 1351 | [40 CFR 60.106] | Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.104a (a) through (j) as applicable. Subpart Ja. [40 CFR 60.106, 40 CFR 52.21, LAC 33:III.509] |
| 1352 | [40 CFR 60.108a] | Submit exceedance report: Due semiannually, except as specified in 40 CFR 60.108a(d). Subpart Ja. |
| 1353 | [40 CFR 60.108a] | Rc & operating hours recordkeeping by electronic or hard copy daily. Record the average coke burn-off rate (tons per hour) and hours of operation. Subpart Ja. |
| 1354 | [40 CFR 60.108a] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 60.108a (a) through (d), as applicable. Subpart Ja. |

### EQT 0164 85-74 - HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402)

| | | |
|---|---|---|
| 1337 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1338 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1339 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1340 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 51.60 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.04 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual maximum |

### EQT 0165 86-74 - FCC Regenerator Vent (30-1401)

| | | |
|---|---|---|
| 1341 | [40 CFR 52.21] | Particulate matter (10 microns or less): Particulate matter (PM) shall be calculated by mutiplying the coke burn-off rate by the average PM emission factor from the last three stack tests of the FCCU Regenerator. The permittee shall perform annual stack test to ensure the emission factor remains representative of actual operations. Coke burn-off rate record shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 52.21, LAC 33:III.509, LAC 33:III.507.H.1.a] |
| 1342 | [40 CFR 60.102a(b)(1)(i)] | The permitte shall continuously monitor and record the following for the Flue Gas Scrubber Venturies: (a) Scrubber liquid to gas ratio (L/G); (b) Scrubber effluent temperature downstream of the spray grid; (c) Regenerator air blower rate; and (d) Number of venturies in operation. Excess emissions shall be reported to the Office of Environmental Compliance, Surveillance Division. The excess emissions are defined as follows: (a) Any 3-hour period when the average scrubber L/G ratio is less than 7.0; (b) Any 3-hour period when the average scrubber liquid effluent temperature downstream of the spray grid is greater than 165 degrees Fahrenheit; (c) Any period when the minimum number of venturies in operations does nost comply with the following limits: If two venturies are operating air blower rate shall be less than 100,000 scfm, if three venturies are operating the air blower rate shall be greater than 100,000 but less than 136,000 scfm, if four venturies are operating the air blower rate shall be equal to or greater than 136,000 scfm.<br><br>These operating parameters shall serve as an alternative to the continuous monitoring (COM) system as required by NSPS, 40 CFR 60.102a(c)2) and 40 CFR 60.105a. Subaprt Ja<br><br>Daily records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total suspended particulate <= 1.0 kg/Mg (2.0 lb/ton) of coke burn-off. Subpart Ja. [40 CFR 60.102a(b)(1)(i), LAC 33:III.509, 40 CFR 52.21]<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0163 84-74 - FCC Charge Heater (25-1401)

| | | |
|---|---|---|
| 1327 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1328 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1329 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1330 | [LAC 33:III.2115] | Permittee shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC in lieu of LAC 33:III.2115. |
| 1331 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 33.51 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.035 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual maximum |

## EQT 0164 85-74 - HF Alkylation Main Frac. Reboiler Heaters (27-1401/1402)

| | | |
|---|---|---|
| 1332 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1333 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1334 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1335 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.appendix F] |
| 1336 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |

## EQT 0162 83-74 - North Flare Stack (59-1451)

| | | |
|---|---|---|
| 1316 | [LAC 33:III.507.H.1.a] | Permittee shall monitor and record flaring of tail gas from Sulfur Plants that results in an exceedance of the RQ for SO2 as outlined in the Consent Decree. A corrective action must be implemented as quickly as possible. These incidences shall be reported to the Office of Environmental Compliance, Enforcement Division. [Consent Decree]. |
| 1317 | [LAC 33:III.507.H.1.a] | Permittee shall submit to EPA within 45 days of any acid gas flaring that results in an exceedance of the RQ for SO2 (500 lbs) as per the requirements of the Consent Decree. [Consent Decree]. |

## EQT 0163 84-74 - FCC Charge Heater (25-1401)

| | | |
|---|---|---|
| 1318 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1319 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the exemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan approved by EPA on September 18, 2004. [40 CFR 60.104(a)(1)] |
| 1320 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1321 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1322 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1323 | [40 CFR 63.643(a)(2)] | Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1324 | [40 CFR 63.643(b)] | Introduce organic HAP vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. Subpart CC. [40 CFR 63.643(b)] |
| 1325 | [40 CFR 63.645(a)] | Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)] |
| 1326 | [40 CFR 63.654(i)(3)] | Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0162 83-74 - North Flare Stack (59-1451)

| | | |
|---|---|---|
| 1302 | [40 CFR 60.18(e)] | Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)] |
| 1303 | [40 CFR 60.18(f)(2)] | Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1304 | [40 CFR 63.643(a)(1)] | Meet the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)] |
| 1305 | [40 CFR 63.643(a)(2)] | Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1306 | [40 CFR 63.644(a)(2)] | Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet bean sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1307 | [40 CFR 63.644(c)(2)] | Vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart CC. [40 CFR 63.644(c)(2)] |
| 1308 | [40 CFR 63.644(c)(2)] | Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart CC. [40 CFR 63.644(c)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1309 | [40 CFR 63.645(a)] | Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)] |
| 1310 | [40 CFR 63.654(i)(3)] | Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)] |
| 1311 | [LAC 33:III.1105] | Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.<br>Which Months: All Year Statistical Basis: None specified |
| 1312 | [LAC 33:III.1105] | Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. |
| 1313 | [LAC 33:III.1107] | Submit report: Due in writing to the Office of Environmental Compliance, Surveillance Division, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. |
| 1314 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1315 | [LAC 33:III.507.H.1.a] | Permittee shall monitor and record any hydrocarbon flaring that results in an exceedance of the RQ for SO2 (500 lbs) as outlined in the Consent Decree and shall report such events in the Consent Decree semi-annual reports. [Consent Decree]. |

### EQT 0161 70-74 - Thermal Oxidizer No. 2 (34-1406)

| | | |
|---|---|---|
| 1286 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1287 | [LAC 33:III.5113.B.1] | Submit test results if required: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. |
| 1288 | [LAC 33:III.5113.B.1] | Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. |
| 1289 | [LAC 33:III.5113.B.2] | If required: Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. |
| 1290 | [LAC 33:III.5113.B.3] | Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. |
| 1291 | [LAC 33:III.5113.B.4] | Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. |
| 1292 | [LAC 33:III.5113.B.6] | Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. |
| 1293 | [LAC 33:III.5113.B.7] | Submit notification if required: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. |
| 1294 | [LAC 33:III.5113.C.1] | Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. |
| 1295 | [LAC 33:III.5113.C.2] | Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. |

### EQT 0162 83-74 - North Flare Stack (59-1451)

| | | |
|---|---|---|
| 1296 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the exemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan submitted to EPA. [40 CFR 60.104(a)(1)] |
| 1297 | [40 CFR 60.18(c)(1)] | Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)] |
| 1298 | [40 CFR 60.18(c)(2)] | Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)] |
| 1299 | [40 CFR 60.18(c)(3)(ii)] | Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 1300 | [40 CFR 60.18(c)(5)] | Exit Velocity < 4.5 ft/sec (Vmax). Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1301 | [40 CFR 60.18(d)] | Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0160 69-74 - South Flare Stack (59-1401)

| | | |
|---|---|---|
| 1273 | [LAC 33:III.1105] | Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. |
| 1274 | [LAC 33:III.1107] | Submit report: Due in writing to the Office of Environmental Compliance, Surveillance Division, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. |
| 1275 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1276 | [LAC 33:III.507.H.1.a] | Permittee shall monitor and record any hydrocarbon flaring that results in an exceedance of the RQ for SO2 (500 lbs) as outlined in the Consent Decree and shall report such events in the Consent Decree semi-annual reports. [Consent Decree]. |
| 1277 | [LAC 33:III.507.H.1.a] | Permittee shall monitor and record flaring of tail gas from Sulfur Plants that results in an exceedance of the RQ for SO2 as outlined in the Consent Decree. A corrective action must be implemented as quickly as possible. These incidences shall be reported to the Office of Environmental Compliance, Enforcement Division. [Consent Decree]. |
| 1278 | [LAC 33:III.507.H.1.a] | Permittee shall submit to EPA within 45 days of any acid gas flaring that results in an exceedance of the RQ for SO2 (500 lbs) as per the requirements of the Consent Decree. [Consent Decree]. |

## EQT 0161 70-74 - Thermal Oxidizer No. 2 (34-1406)

| | | |
|---|---|---|
| 1279 | [40 CFR 60.104(a)(2)(i)] | Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i), LAC 33:III.1509]<br>Which Months: All Year Statistical Basis: Twelve-hour average |
| 1280 | [40 CFR 60.105(a)(5)] | Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. The span of the system shall be 500 ppm. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1281 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1282 | [40 CFR 60.106] | Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. |
| 1283 | [40 CFR 63.1568(a)(1)] | Sulfur dioxide <= 250 ppmv (dry basis) at 0% excess air. Subpart UUU. [40 CFR 63.1568(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1284 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1285 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |

**EQT 0160 69-74 - South Flare Stack (59-1401)**

| | | |
|---|---|---|
| 1257 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the exemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan submitted to EPA. [40 CFR 60.104(a)(1)] |
| 1258 | [40 CFR 60.18(c)(1)] | Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)] |
| 1259 | [40 CFR 60.18(c)(2)] | Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)] |
| 1260 | [40 CFR 60.18(c)(3)(ii)] | Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 1261 | [40 CFR 60.18(c)(5)] | Exit Velocity < 4.5 ft/sec (Vmax). Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1262 | [40 CFR 60.18(d)] | Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)] |
| 1263 | [40 CFR 60.18(e)] | Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)] |
| 1264 | [40 CFR 60.18(f)(2)] | Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1265 | [40 CFR 63.643(a)(1)] | Meet the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)] |
| 1266 | [40 CFR 63.643(a)(2)] | Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1267 | [40 CFR 63.644(a)(2)] | Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet bean sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1268 | [40 CFR 63.644(c)(2)] | Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart CC. [40 CFR 63.644(c)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1269 | [40 CFR 63.644(c)(2)] | Vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart CC. [40 CFR 63.644(c)(2)] |
| 1270 | [40 CFR 63.645(a)] | Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)] |
| 1271 | [40 CFR 63.654(i)(3)] | Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)] |
| 1272 | [LAC 33:III.1105] | Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0159 14-74 - Thermal Oxidizer No. 1 (20-1406)

| | | |
|---|---|---|
| 1241 | [40 CFR 60.105(a)(5)] | Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. The span of the system shall be 500 ppm. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1242 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1243 | [40 CFR 60.106] | Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. |
| 1244 | [40 CFR 63.1568(a)(1)] | Sulfur dioxide <= 250 ppmv (dry basis) at 0% excess air. Subpart UUU. [40 CFR 63.1568(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1245 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1246 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1247 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1248 | [LAC 33:III.5113.B.1] | Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. |
| 1249 | [LAC 33:III.5113.B.1] | Submit test results if required: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. |
| 1250 | [LAC 33:III.5113.B.2] | If required: Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. |
| 1251 | [LAC 33:III.5113.B.3] | Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. |
| 1252 | [LAC 33:III.5113.B.4] | Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. |
| 1253 | [LAC 33:III.5113.B.6] | Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. |
| 1254 | [LAC 33:III.5113.B.7] | Submit notification if required: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. |
| 1255 | [LAC 33:III.5113.C.1] | Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. |
| 1256 | [LAC 33:III.5113.C.2] | Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. |

## EQT 0160 69-74 - South Flare Stack (59-1401)

### EQT 0157 12-74 - HGO Hydrotreater Reactor Charge Heater (15-1401)

| | | |
|---|---|---|
| 1231 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0158 13-74 - HGO Hydrotreater Low Pressure Feed Heater (15-1403)

| | | |
|---|---|---|
| 1232 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1233 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1234 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1235 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1236 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1237 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1238 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1239 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0159 14-74 - Thermal Oxidizer No. 1 (20-1406)

| | | |
|---|---|---|
| 1240 | [40 CFR 60.104(a)(2)(i)] | Sulfur dioxide <= 250 ppmv @ 0% excess air (dry basis). Subpart J. [40 CFR 60.104(a)(2)(i), LAC 33:III.1509]<br>Which Months: All Year Statistical Basis: Twelve-hour average |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0156 11-74 - Distillate HDT Low Pressure Stripper Reboiler (14-1402)

| | | |
|---|---|---|
| 1221 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1222 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1223 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0157 12-74 - HGO Hydrotreater Reactor Charge Heater (15-1401)

| | | |
|---|---|---|
| 1224 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1225 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1226 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1227 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1228 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1229 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1230 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |

### EQT 0155 10-74 - Distillate Hydrotreater Reactor Charge Heater (14-1401)

| | | |
|---|---|---|
| 1212 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1213 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1214 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1215 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1216 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1217 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 19.20 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.04 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual average |

### EQT 0156 11-74 - Distillate HDT Low Pressure Stripper Reboiler (14-1402)

| | | |
|---|---|---|
| 1218 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1219 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1220 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0153 8-74 - Platformer Charge Interheater (Nos 1-4) (12-1401)

| | | |
|---|---|---|
| 1202 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0154 9-74 - Platformer Debutanizer Reboiler (12-1402)

| | | |
|---|---|---|
| 1203 | [40 CFR 60.104(a)(1)] | The waste gas streams meet the excemption criteria in 40 CFR 60.14(e)(5) and was approved by LDEQ by letter dated January 28, 1999. The permittee shall monitor the H2S from the stream before combustion as per the requirements of the Alternative Monitoring Plan submitted to EPA. [40 CFR 60.104(a)(1)] |
| 1204 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1205 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1206 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1207 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1208 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0155 10-74 - Distillate Hydrotreater Reactor Charge Heater (14-1401)

| | | |
|---|---|---|
| 1209 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1210 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1211 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |

### EQT 0152 7-74 - Naphtha Hydrotreater Stripper Reboiler (11-1402)

| | | |
|---|---|---|
| 1191 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1192 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1193 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1194 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1195 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1196 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

### EQT 0153 8-74 - Platformer Charge Interheater (Nos 1-4) (12-1401)

| | | |
|---|---|---|
| 1197 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1198 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1199 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1200 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1201 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0150 5-74 - Crude Vacuum Heater B (10-1404)

| | | |
|---|---|---|
| 1181 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1182 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1183 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1184 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0151 6-74 - Naphtha Hydrotreater Charge Heater (11-1401)

| | | |
|---|---|---|
| 1185 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1186 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1187 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1188 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1189 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1190 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0152 7-74 - Naphtha Hydrotreater Stripper Reboiler (11-1402)

**EQT 0149 4-74 - Crude Vacuum Heater A (10-1403)**

| | | |
|---|---|---|
| 1172 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1173 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1174 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1175 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1176 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 20.08 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.03 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual average |

**EQT 0150 5-74 - Crude Vacuum Heater B (10-1404)**

| | | |
|---|---|---|
| 1177 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1178 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1179 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1180 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0148 3-74 - Crude Atmospheric Heater B (10-1402)

| | | |
|---|---|---|
| 1163 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1164 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1165 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1166 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1167 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 70.81 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.065 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual average |

## EQT 0149 4-74 - Crude Vacuum Heater A (10-1403)

| | | |
|---|---|---|
| 1168 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1169 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1170 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1171 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |

**EQT 0147 2-74 - Crude Atmospheric Heater A (10-1401)**

| | | |
|---|---|---|
| 1154 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1155 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1156 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1157 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1158 | [LAC 33:III.507] | Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, NOx limit 70.81 tons per year. Permittee shall monitor the heat input via the fuel gas flow meter and fuel gas heating value measurement and shall calculate annual NOx emissions based on the annual average heat input (MM BTU/hr) and the associated factor (lb/MM BTU) for the heater. The calculated emissions in tons per year shall not exceed as specified in this specific condition and the annual average emissions factor shall not exceed 0.065 lb/MM BTU.<br>Which Months: All Year Statistical Basis: Annual average |

**EQT 0148 3-74 - Crude Atmospheric Heater B (10-1402)**

| | | |
|---|---|---|
| 1159 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1160 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1161 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1162 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0146 1-74B - Steam Generator (Old Boiler No. 2) (36-1601-02)

| | | |
|---|---|---|
| 1144 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1145 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1146 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1147 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1148 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1149 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |

## EQT 0147 2-74 - Crude Atmospheric Heater A (10-1401)

| | | |
|---|---|---|
| 1150 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1151 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1152 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1153 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |

### EQT 0145 1-74A - Steam Generator (Old Boiler No. 1) (36-1601-01)

| | | |
|---|---|---|
| 1134 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1135 | [40 CFR 60.105(a)(4)] | Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. The span of the analyzer is 400 ppm, however the facility shall operate and calibrate the CEM based on the reference span of 300 ppm. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1136 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1137 | [40 CFR 60.13(d)(1)] | Recordkeeping: Equipment/operational recordkeeping by continuous emission monitor (CEM) daily in accordance with the quality assurance and quality control (QA/QC) procedures as per NSPS, 40 CFR 60, Appendix F. Record and quantify the CEM excess zero span drift whenever specified. [Subpart A, Consent Decree]. [40 CFR 60.13(d)(1), 40 CFR 60.Appendix F] |
| 1138 | [40 CFR 60.Appendix F] | In lieu of NSPS, 40 CFR 60, Appendix F, Sections 5.1.1, 5.1.3, and 5.1.4 the permittee shall conduct either a Relative Accuracy Audit (RAA) or Relative Accuracy Test Audit (RATA) once every twelve calendar quarters, provided that a Cylinder Gas Audit (CGA) is conducted each calendar quarter (Consent Decree), or follow the requirements of Appendix F. These records shall be kept on site and available for inspection by Department of Environmental Quality personnel. Nitrogen oxides emissions monitored by continuous emission monitor (CEM). [Consent Decree]. |
| 1139 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1140 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1141 | [LAC 33:III.1513] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. |
| 1142 | [LAC 33:III.509] | Permittee shall ensure compliance with the opacity emission limits of this permit by using refinery fuel gas and pipeline quality natural gas as fuel. Any deviation in the fuel use shall be reported to the Office of Environmental Compliance, Enforcement Division. The fuel deviation (if any) record shall be maintained and these records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509, 40 CFR 52.21] |

### EQT 0146 1-74B - Steam Generator (Old Boiler No. 2) (36-1601-02)

| | | |
|---|---|---|
| 1143 | [40 CFR 52.21] | Permittee shall ensure compliance with the opacity emission limits of this permit by using refinery fuel gas and pipeline quality natural gas as fuel. Any deviation in the fuel use shall be reported to the Office of Environmental Compliance, Enforcement Division. The fuel deviation (if any) record shall be maintained and these records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 52.21, LAC 33:III.509] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0141 126-93 - Phenolic Water Tank (60-1924)

| | | |
|---|---|---|
| 1120 | [40 CFR 61.355] | Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. |
| 1121 | [40 CFR 61.356] | Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. |
| 1122 | [40 CFR 63.640] | Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. |
| 1123 | [40 CFR 63.647(a)] | Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)] |
| 1124 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of 40 CFR 61.343 by using carbon canisters and the Consent Decree (Paragraph 18.E) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [Consent Decree]. |

## EQT 0142 127-93 - Phenolic Water Tank (63-1214)

| | | |
|---|---|---|
| 1125 | [40 CFR 61.351(a)(1)] | Shall comply with the alternative standards for tanks. [40 CFR 61.351(a)(1), 40 CFR 60.Subpart Kb] |
| 1126 | [40 CFR 63.647(a)] | Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)] |
| 1127 | [40 CFR 63.647(a)] | Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)] |
| 1128 | [40 CFR 63.655] | Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. |
| 1129 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of 40 CFR 61.351 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0143 99-80 - Slurry Tank (100-1)

| | | |
|---|---|---|
| 1130 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1131 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 1132 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Ka; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance wlith BACT in accordance with New source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1133 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0139 121-91 - Sour Water Tank (19-1903)

| | | |
|---|---|---|
| 1106 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 1107 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1108 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1109 | [LAC 33:III.5109.A.2] | Compliance with all the applicable requirements of LAC 33:III.2103.C has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0141 126-93 - Phenolic Water Tank (60-1924)

| | | |
|---|---|---|
| 1110 | [40 CFR 61.349(a)(1)(i)] | Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)] |
| 1111 | [40 CFR 61.349(a)(1)(iii)] | Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)] |
| 1112 | [40 CFR 61.349(a)(2)(ii)] | Benzene >= 98 % recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 1113 | [40 CFR 61.349(b)] | Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)] |
| 1114 | [40 CFR 61.349(c)] | Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)] |
| 1115 | [40 CFR 61.349(f)] | Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]<br>Which Months: All Year Statistical Basis: None specified |
| 1116 | [40 CFR 61.349(g)] | Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)] |
| 1117 | [40 CFR 61.354(d)] | Replace the existing carbon with fresh carbon immediately when carbon breakthrough is indicated. Subpart FF. [40 CFR 61.354(d)] |
| 1118 | [40 CFR 61.354(d)] | Replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system. Subpart FF. [40 CFR 61.354(d)] |
| 1119 | [40 CFR 61.354(d)] | Organic compounds or Benzene monitored by technically sound method daily or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. Monitor either the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system. Subpart FF. [40 CFR 61.354(d)]<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0137 119-91 - Sour Water Tank (33-1901)

| | | |
|---|---|---|
| 1093 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1094 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1095 | [LAC 33:III.5109.A.2] | Compliance with all the applicable requirements of LAC 33:III.2103.C has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0138 120-91 - ULSD Tank (150-16)

| | | |
|---|---|---|
| 1096 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 1097 | [40 CFR 60.116b(c)] | VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] |
| 1098 | [40 CFR 60.116b(d)] | Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)] |
| 1099 | [40 CFR 60.116b(f)(1)] | Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] |
| 1100 | [40 CFR 63.654(i)] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 60.Subpart Kb, 40 CFR 63.654(i)] |
| 1101 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart Ka and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1102 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0139 121-91 - Sour Water Tank (19-1903)

| | | |
|---|---|---|
| 1103 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1104 | [LAC 33:III.2103.C.1.b] | Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. |
| 1105 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |

### EQT 0135 97-80 - Rose/Coker Feed Tank (200-5)

| | | |
|---|---|---|
| 1081 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1082 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 1083 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart Ka and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1084 | [LAC 33:III.5109.A] | The tank does not emit any Class I and II pollutants over the minmum emission rate (MER) for each pollutant. No MACT is required under LAC 33:III.Chapter 51. |

### EQT 0136 98-80 - Rose/Coker Feed Tank (200-6)

| | | |
|---|---|---|
| 1085 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1086 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 1087 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart Ka and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1088 | [LAC 33:III.5109.A] | The tank does not emit any Class I and II pollutants over the minmum emission rate (MER) for each pollutant. No MACT is required under LAC 33:III.Chapter 51. |

### EQT 0137 119-91 - Sour Water Tank (33-1901)

| | | |
|---|---|---|
| 1089 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1090 | [LAC 33:III.2103.C.1.b] | Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. |
| 1091 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |
| 1092 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0134 96-80 - Sour LAGO Tank (150-15)

| | | |
|---|---|---|
| 1066 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1067 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1068 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1069 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1070 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1071 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1072 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1073 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1074 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1075 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1076 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1077 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1078 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1079 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Ka; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1080 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Ka has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0133 95-80 - Sour Kerosene Tank (150-14)

| | | |
|---|---|---|
| 1052 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1053 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1054 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1055 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1056 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1057 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1058 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Ka; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1059 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Ka has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0134 96-80 - Sour LAGO Tank (150-15)

| | | |
|---|---|---|
| 1060 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1061 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 1062 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 1063 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1064 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1065 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0132 94-80 - Sour Kerosene Tank (150-13)

| | | |
|---|---|---|
| 1038 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Ka has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0133 95-80 - Sour Kerosene Tank (150-14)

| | | |
|---|---|---|
| 1039 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1040 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 1041 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 1042 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1043 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1044 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1045 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1046 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1047 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1048 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1049 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1050 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1051 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |

**EQT 0132 94-80 - Sour Kerosene Tank (150-13)**

| | | |
|---|---|---|
| 1023 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1024 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1025 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1026 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1027 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1028 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1029 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1030 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1031 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1032 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1033 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1034 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1035 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1036 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1037 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Ka; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0131 93-80 - Sour LAGO Tank (150-12)

| | | |
|---|---|---|
| 1008 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 1009 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1010 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1011 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1012 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1013 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1014 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1015 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1016 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Ka; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1017 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Ka has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0132 94-80 - Sour Kerosene Tank (150-13)

| | | |
|---|---|---|
| 1018 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 1019 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 1020 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 1021 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1022 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |

### EQT 0129 90-74 - Sour Naphtha Tank (150-11)

| | | |
|---|---|---|
| 993 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 994 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 995 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 996 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0131 93-80 - Sour LAGO Tank (150-12)

| | | |
|---|---|---|
| 997 | [40 CFR 60.115a] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.115a(d). Subpart Ka. |
| 998 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 999 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 1000 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1001 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 1002 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1003 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1004 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1005 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1006 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1007 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0129 90-74 - Sour Naphtha Tank (150-11)

| | | |
|---|---|---|
| 977 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 978 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 979 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 980 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 981 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 982 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 983 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 984 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 985 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 986 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 987 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 988 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 989 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 990 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 991 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 992 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |

## EQT 0128 80-74 - Mixed Naphtha Tank (200-4)

| | | |
|---|---|---|
| 962 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 963 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 964 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 965 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 966 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 967 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 968 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 969 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0129 80-74 - Sour Naphtha Tank (150-11)

| | | |
|---|---|---|
| 970 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 971 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 972 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 973 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 974 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 975 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 976 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0128 80-74 - Mixed Naphtha Tank (200-4)

| | | |
|---|---|---|
| 946 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 947 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 948 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 949 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 950 | [40 CFR 63.655] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. |
| 951 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 952 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 953 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 954 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 955 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 956 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 957 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 958 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 959 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 960 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 961 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |

### EQT 0127 79-74 - Alkylate Tank (200-3)

| | | |
|---|---|---|
| 931 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 932 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 933 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 934 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 935 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 936 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 937 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 938 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 939 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 940 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 941 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 942 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0128 80-74 - Mixed Naphtha Tank (200-4)

| | | |
|---|---|---|
| 943 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 944 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 945 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0126 78-74 - Mixed Naphtha Tank (200-2)

| | | |
|---|---|---|
| 915 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0127 79-74 - Alkylate Tank (200-3)

| | | |
|---|---|---|
| 916 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 917 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 918 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 919 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 920 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 921 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 922 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 923 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 924 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 925 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 926 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 927 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 928 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 929 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 930 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |

**EQT 0126 78-74 - Mixed Naphtha Tank (200-2)**

| | | |
|---|---|---|
| 900 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 901 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 902 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 903 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 904 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 905 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 906 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 907 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 908 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 909 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 910 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 911 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 912 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 913 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 914 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0125 77-74 - Natural Gasoline Tank (200-1)

| | | |
|---|---|---|
| 883 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 884 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 885 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 886 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 887 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 888 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0126 78-74 - Mixed Naphtha Tank (200-2)

| | | |
|---|---|---|
| 889 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 890 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 891 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 892 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 893 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 894 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 895 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 896 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 897 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 898 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 899 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |

**EQT 0125 77-74 - Natural Gasoline Tank (200-1)**

| | | |
|---|---|---|
| 867 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 868 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 869 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 870 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 871 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 872 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 873 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 874 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 875 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 876 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 877 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 878 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 879 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 880 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 881 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 882 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0122 75-74 - Gasoil Tank (300-12)

| | | |
|---|---|---|
| 854 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 855 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 856 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 857 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0123 76-74 - Gasoil Tank (300-13)

| | | |
|---|---|---|
| 858 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 859 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 860 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New source review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 861 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0125 77-74 - Natural Gasoline Tank (200-1)

| | | |
|---|---|---|
| 862 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 863 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 864 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 865 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 866 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |

**EQT 0119 72-74 - Asphalt Tank (20-2)**

| | | |
|---|---|---|
| 843 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 844 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 845 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0120 73-74 - Gasoil Tank (300-10)**

| | | |
|---|---|---|
| 846 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 847 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 848 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 849 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0121 74-74 - Gasoil Tank (300-11)**

| | | |
|---|---|---|
| 850 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 851 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 852 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 853 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0122 75-74 - Gasoil Tank (300-12)**



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0118 71-74 - Crude Oil Tank (500-9)

| | | |
|---|---|---|
| 829 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 830 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 831 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 832 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 833 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 834 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 835 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 836 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 837 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 838 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 839 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 840 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 841 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 842 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0119 72-74 - Asphalt Tank (20-2)

**EQT 0117 68-74 - Gasoline Tank (300-9)**

| | | |
|---|---|---|
| 814 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 815 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 816 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 817 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 818 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 819 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 820 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Kb has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0118 71-74 - Crude Oil Tank (500-9)**

| | | |
|---|---|---|
| 821 | [40 CFR 60.112(a)(1)] | Equip with a floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)] |
| 822 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 823 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 824 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 825 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 826 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 827 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 828 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0117 68-74 - Gasoline Tank (300-9)

| | | |
|---|---|---|
| 798 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 799 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 800 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 801 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 802 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 803 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 804 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 805 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 806 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 807 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 808 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 809 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 810 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 811 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 812 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 813 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |

### EQT 0114 65-74 - Gasoline Tank (150-10)

| | | |
|---|---|---|
| 786 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 787 | [LAC 33:III.5109.A] | Compliance with all the applcable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0115 66-74 - ULSD Tank (300-8)

| | | |
|---|---|---|
| 788 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 789 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 790 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0116 67-74 - ULSD Tank (150-9)

| | | |
|---|---|---|
| 791 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 792 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 793 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0117 68-74 - Gasoline Tank (300-9)

| | | |
|---|---|---|
| 794 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof, a vapor recovery system, or their equivalents. Subpart K. [40 CFR 60.112(a)(1)] |
| 795 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 796 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 797 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0114 65-74 - Gasoline Tank (150-10)

| | | |
|---|---|---|
| 771 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 772 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 773 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 774 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 775 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 776 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 777 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 778 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 779 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 780 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 781 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 782 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 783 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 784 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 785 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |

**EQT 0113 64-74 - Gasoline Tank (150-8)**

| | | |
|---|---|---|
| 754 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 755 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 756 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 757 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 758 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 759 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 760 | [LAC 33:III.5109.A] | Compliance with all the applcable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0114 65-74 - Gasoline Tank (150-10)**

| | | |
|---|---|---|
| 761 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 762 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 763 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 764 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 765 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 766 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 767 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 768 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 769 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 770 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0113 64-74 - Gasoline Tank (150-8)

| | | |
|---|---|---|
| 738 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 739 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 740 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 741 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 742 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 743 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 744 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 745 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 746 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 747 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 748 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 749 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 750 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 751 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 752 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 753 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |

### EQT 0112 63-74 - Crude Tank (500-8)

| | | |
|---|---|---|
| 723 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified |
| 724 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified |
| 725 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 726 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 727 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 728 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 729 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 730 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 731 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 732 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 733 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103.D and 40 CFR 60 Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0113 64-74 - Gasoline Tank (150-8)

| | | |
|---|---|---|
| 734 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 735 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 736 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 737 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0110 50-74 - Clean Oil Tank (3-1)

| | | |
|---|---|---|
| 708 | [40 CFR 52.21] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subaprt CC has been determined to be compliance with BACT in accrodance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [40 CFR 52.21, LAC 33:III.509] |
| 709 | [40 CFR 63.647(a)] | Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)] |
| 710 | [40 CFR 63.655] | Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. |
| 711 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of 40 CFR 61.343 by using carbon canisters has been determned to be compliance with the Consent Decree {A NSR Global Settlement (Civil No. 01-40119) between USA EPA and Marathon Ashland Petroleum (aka MPC) date of entry August 28, 2001(Paragraph 18.E)} MACT requirements. |

## EQT 0112 63-74 - Crude Tank (500-8)

| | | |
|---|---|---|
| 712 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 713 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 714 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 715 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 716 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 717 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 718 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 719 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 720 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 721 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 722 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |

**EQT 0107 47-74 - Ballast Water Tank (55-3)**

| | | |
|---|---|---|
| 694 | [40 CFR 60.116b(f)(1)] | Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] |
| 695 | [40 CFR 60.116b(f)(2)] | Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 696 | [40 CFR 61.351(a)(2)] | Shall comply with the alternative standards for tanks. 40 CFR 61, Subpart FF. [40 CFR 61.351(a)(2)] |
| 697 | [40 CFR 63.640] | Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. |
| 698 | [40 CFR 63.647(a)] | Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)] |
| 699 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 700 | [LAC 33:III.2103.D] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb has been determined to be compliance in accordance with LAC 33:III.2103. |
| 701 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of 40 CFR 61, Subpart FF has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0108 48-74 - Slop Oil Tank (25-1)**

| | | |
|---|---|---|
| 702 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 703 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 704 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0109 49-74 - Slop Oil Tank (25-2)**

| | | |
|---|---|---|
| 705 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 706 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 707 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0110 50-74 - Clean Oil Tank (3-1)**



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0107 47-74 - Ballast Water Tank (55-3)

| | | |
|---|---|---|
| 682 | [40 CFR 60.113b(b)(4)] | Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)] |
| 683 | [40 CFR 60.113b(b)(5)] | Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)] |
| 684 | [40 CFR 60.113b(b)(6)(i)] | If the external 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, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)] |
| 685 | [40 CFR 60.113b(b)(6)(ii)] | Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)] |
| 686 | [40 CFR 60.113b(b)(6)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]<br>Which Months: All Year Statistical Basis: None specified |
| 687 | [40 CFR 60.115b(b)(1)] | Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)] |
| 688 | [40 CFR 60.115b(b)(2)] | Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)] |
| 689 | [40 CFR 60.115b(b)(3)] | Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)] |
| 690 | [40 CFR 60.115b(b)(4)] | Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)] |
| 691 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 692 | [40 CFR 60.116b(c)] | VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] |
| 693 | [40 CFR 60.116b(d)] | Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)] |

**EQT 0107 47-74 - Ballast Water Tank (55-3)**

| | | |
|---|---|---|
| 670 | [40 CFR 60.112b(a)(2)] | Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)] |
| 671 | [40 CFR 60.113b(b)(1)(i)] | Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]<br>Which Months: All Year Statistical Basis: None specified |
| 672 | [40 CFR 60.113b(b)(1)(ii)] | Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 673 | [40 CFR 60.113b(b)(3)] | Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] |
| 674 | [40 CFR 60.113b(b)(4)(i)(A)] | One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)] |
| 675 | [40 CFR 60.113b(b)(4)(i)(B)] | There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] |
| 676 | [40 CFR 60.113b(b)(4)(i)] | Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]<br>Which Months: All Year Statistical Basis: None specified |
| 677 | [40 CFR 60.113b(b)(4)(i)] | Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]<br>Which Months: All Year Statistical Basis: None specified |
| 678 | [40 CFR 60.113b(b)(4)(ii)(A)] | Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)] |
| 679 | [40 CFR 60.113b(b)(4)(ii)(B)] | Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]<br>Which Months: All Year Statistical Basis: None specified |
| 680 | [40 CFR 60.113b(b)(4)(ii)(B)] | Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]<br>Which Months: All Year Statistical Basis: None specified |
| 681 | [40 CFR 60.113b(b)(4)(ii)(C)] | There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0104 44-74 - Deasphalted Oil Tank (55-5)

| | | |
|---|---|---|
| 660 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 661 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0105 45-74 - Gasoil Tank (55-6)

| | | |
|---|---|---|
| 662 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 663 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 664 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 51.21] |
| 665 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0106 46-74 - No. 6 Fuel Oil Tank (5-1)

| | | |
|---|---|---|
| 666 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 667 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 668 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0107 47-74 - Ballast Water Tank (55-3)

| | | |
|---|---|---|
| 669 | [40 CFR 60.112b(a)(2)(ii)] | Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents 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. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)] |

### EQT 0103 43-74 - Sour Naphtha Tank (55-4)

| | | |
|---|---|---|
| 645 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 646 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 647 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 648 | [LAC 33:III.2103.C.1.a] | Equip internal floating roof with a liquid mounted seal consisting of 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. |
| 649 | [LAC 33:III.2103.C.1.b] | Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. |
| 650 | [LAC 33:III.2103.C.1.c] | Equip internal floating roof with 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. |
| 651 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |
| 652 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 653 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 654 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 655 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 656 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 657 | [LAC 33:III.5109.A] | Compliance with all the applcable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0104 44-74 - Deasphalted Oil Tank (55-5)

| | | |
|---|---|---|
| 658 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 659 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0101 41-74 - Asphalt Tank (300-3)

| | | |
|---|---|---|
| 632 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 633 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0102 42-74 - Asphalt Tank (300-6)

| | | |
|---|---|---|
| 634 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 635 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 636 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance wlith BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 637 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0103 43-74 - Sour Naphtha Tank (55-4)

| | | |
|---|---|---|
| 638 | [40 CFR 60.112(a)(1)] | Equipped with an internal floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 639 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 640 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 641 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 642 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 643 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 644 | [40 CFR 63.655(h)(2)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.655(h)(2)] |

### EQT 0098 38-74 - ULSD Tank (300-4)

| | | |
|---|---|---|
| 620 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0099 39-74 - Asphalt Tank (300-5)

| | | |
|---|---|---|
| 621 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 622 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 623 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 624 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 625 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0100 40-74 - ULSD Tank (300-7)

| | | |
|---|---|---|
| 626 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 627 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 628 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 629 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0101 41-74 - Asphalt Tank (300-3)

| | | |
|---|---|---|
| 630 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 631 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0095 35-74 - Crude Tank (500-7)

| | | |
|---|---|---|
| 608 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.a.2. |

## EQT 0096 36-74 - ULSD Tank (300-1)

| | | |
|---|---|---|
| 609 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 610 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 611 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 612 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been deteermined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0097 37-74 - Asphalt Tank (300-2)

| | | |
|---|---|---|
| 613 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 614 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 615 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 616 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0098 38-74 - ULSD Tank (300-4)

| | | |
|---|---|---|
| 617 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 618 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655, 40 CFR 60.Subpart K] |
| 619 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 60, Subpart K and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements with no further controls. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |

**EQT 0095 35-74 - Crude Tank (500-7)**

| | | |
|---|---|---|
| 593 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 594 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 595 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 596 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 597 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 598 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 599 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 600 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 601 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 602 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 603 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 604 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 605 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 606 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 607 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0094 34-74 - Crude Tank (500-6)

| | | |
|---|---|---|
| 579 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 580 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 581 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 582 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 583 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 584 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 585 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 586 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0095 35-74 - Crude Tank (500-7)

| | | |
|---|---|---|
| 587 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 588 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 589 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 590 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 591 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 592 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |

### EQT 0093 33-74 - Crude Tank (500-5)

| | | |
|---|---|---|
| 564 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0094 34-74 - Crude Tank (500-6)

| | | |
|---|---|---|
| 565 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 566 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 567 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 568 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 569 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 570 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 571 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 572 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 573 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 574 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 575 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 576 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 577 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 578 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0093 33-74 - Crude Tank (500-5)

| | | |
|---|---|---|
| 549 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 550 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 551 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 552 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 553 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 554 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 555 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 556 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 557 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 558 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 559 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 560 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 561 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 562 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 563 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT i accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |

### EQT 0092 32-74 - Gasoline Tank (500-4)

| | | |
|---|---|---|
| 534 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 535 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 536 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 537 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 538 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 539 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 540 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 541 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 542 | [LAC 33:III.5109.A] | Compliance with all the applcable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0093 33-74 - Crude Tank (500-5)

| | | |
|---|---|---|
| 543 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 544 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 545 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 546 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 547 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 548 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0092 32-74 - Gasoline Tank (500-4)

| | | |
|---|---|---|
| 518 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 519 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 520 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 521 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 522 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 523 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 524 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 525 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 526 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 527 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 528 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 529 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 530 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 531 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 532 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 533 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |

### EQT 0091 31-74 - Crude Tank (500-3)

| | | |
|---|---|---|
| 503 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 504 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 505 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 506 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 507 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 508 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 509 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 510 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 511 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 512 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 513 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 514 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements . [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 515 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance wilth MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0092 32-74 - Gasoline Tank (500-4)

| | | |
|---|---|---|
| 516 | [40 CFR 60.112(a)(1)] | Equippped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 517 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0090 30-74 - Crude Tank (500-2)

| | | |
|---|---|---|
| 487 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 488 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 489 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 490 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 491 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 492 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 493 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0091 31-74 - Crude Tank (500-3)

| | | |
|---|---|---|
| 494 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 495 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 496 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 497 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 498 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 499 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 500 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 501 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 502 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |

**EQT 0090 30-74 - Crude Tank (500-2)**

| | | |
|---|---|---|
| 472 | [40 CFR 60.112(a)(1)] | Equip with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 473 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 474 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 475 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 476 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 477 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 478 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 479 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 480 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 481 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 482 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 483 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 484 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 485 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 486 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0089 29-74 - Crude Tank (500-1)

| | | |
|---|---|---|
| 457 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 458 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 459 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 460 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 461 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 462 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 463 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 464 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 465 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 466 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 467 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 468 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 469 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 470 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 471 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0087 27-74 - ULSD Tank (75-1)

| | | |
|---|---|---|
| 443 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 444 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. No further controls required. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 445 | [LAC 33:III.5109.A] | The tank does not emit any Class I and II pollutants over the minmum emission rate (MER) for each pollutant. No MACT is required under LAC 33:III.Chapter 51. |

### EQT 0088 28-74 - ULSD Tank (75-2)

| | | |
|---|---|---|
| 446 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 447 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 448 | [LAC 33:III.509] | Fixed Roof Tank: Compliance with all the applicable requirements of 40 CFR 63, Subpart CC has been determined to be compliance with BACT with no further controls in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 449 | [LAC 33:III.5109.A] | The tank does not emit any Class I and II pollutants over the minmum emission rate (MER) for each pollutant. No MACT is required under LAC 33:III.Chapter 51. |

### EQT 0089 29-74 - Crude Tank (500-1)

| | | |
|---|---|---|
| 450 | [40 CFR 60.112(a)(1)] | Equip with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 451 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 452 | [40 CFR 63.655(i)] | Group 2 Tanks. No controls required as the HAP content in liquid phase is less than 4%. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. [40 CFR 63.655(i)] |
| 453 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. |
| 454 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 455 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 456 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0085 25-74 - Platformate Tank (150-4)

| | | |
|---|---|---|
| 430 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 431 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 432 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 433 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 434 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 435 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 436 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 437 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 438 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0086 26-74 - Asphalt Tank (20-1)

| | | |
|---|---|---|
| 439 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 440 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 441 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0087 27-74 - ULSD Tank (75-1)

| | | |
|---|---|---|
| 442 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |

**EQT 0085 25-74 - Platformate Tank (150-4)**

| | | |
|---|---|---|
| 414 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 415 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 416 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 417 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 418 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.655(f)] |
| 419 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 420 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 421 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 422 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 423 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 424 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 425 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 426 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 427 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 428 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 429 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0084 24-74 - Platformate Tank (150-3)

| | | |
|---|---|---|
| 399 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 400 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 401 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 402 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 403 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 404 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 405 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 406 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 407 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 408 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 409 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 410 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 411 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0085 25-74 - Platformate Tank (150-4)

| | | |
|---|---|---|
| 412 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 413 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |

## EQT 0083 23-74 - NG Condensate Tank (150-2)

| | | |
|---|---|---|
| 383 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 384 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0084 24-74 - Platformate Tank (150-3)

| | | |
|---|---|---|
| 385 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 386 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 387 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 388 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 389 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 390 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 391 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 392 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 393 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 394 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 395 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 396 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 397 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 398 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0083 23-74 - NG Condensate Tank (150-2)

| | | |
|---|---|---|
| 368 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 369 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 370 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 371 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 372 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 373 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 374 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 375 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 376 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 377 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 378 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 379 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 380 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 381 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 382 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |

### EQT 0082 22-74 - Gasoline Tank (150-1)

| | | |
|---|---|---|
| 351 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 352 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 353 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 354 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 355 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 356 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 357 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0083 23-74 - NG Condensate Tank (150-2)

| | | |
|---|---|---|
| 358 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 359 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 360 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 361 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 362 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 363 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 364 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 365 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 366 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 367 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0082 22-74 - Gasoline Tank (150-1)

| | | |
|---|---|---|
| 335 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 336 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 337 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 338 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 339 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 340 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 341 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 342 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 343 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 344 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 345 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 346 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 347 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 348 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 349 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 350 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |

### EQT 0081 21-74 - Gasoline Blend Stock Tank (55-2)

| | | |
|---|---|---|
| 321 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 322 | [LAC 33:III.2103.C.1.a] | Equip internal floating roof with a liquid mounted seal consisting of 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. |
| 323 | [LAC 33:III.2103.C.1.b] | Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. |
| 324 | [LAC 33:III.2103.C.1.c] | Equip internal floating roof with 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. |
| 325 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |
| 326 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 327 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 328 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 329 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 330 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0082 22-74 - Gasoline Tank (150-1)

| | | |
|---|---|---|
| 331 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 332 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 333 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 334 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0080 20-74 - Gasoline Blend Stock Tank (55-1)

| | | |
|---|---|---|
| 306 | [LAC 33:III.2103.C.1.c] | Equip internal floating roof with 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. |
| 307 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |
| 308 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 309 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 310 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 311 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |
| 312 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0081 21-74 - Gasoline Blend Stock Tank (55-2)

| | | |
|---|---|---|
| 313 | [40 CFR 60.112(a)(1)] | Equipped with a domed external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 314 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 315 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 316 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 317 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 318 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 319 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 320 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |

### EQT 0079 19-74 - Gasoline Blend Stock Tank (35-1)

| | | |
|---|---|---|
| 289 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 290 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 291 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 292 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 293 | [LAC 33:III.509] | Compliance with all the applicable requirements of 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |
| 294 | [LAC 33:III.5109] | Compliance with all the applicable requirements of 40 CFR 60, Subpart K and LAC 33:III.2103 has been determined to be MACT under LAC 33:III.Chapter 51. |

### EQT 0080 20-74 - Gasoline Blend Stock Tank (55-1)

| | | |
|---|---|---|
| 295 | [40 CFR 60.112(a)(1)] | Equipped with a domed external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 296 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 297 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 298 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 299 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 300 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 301 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 302 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 303 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 304 | [LAC 33:III.2103.C.1.a] | Equip internal floating roof with a liquid mounted seal consisting of 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. |
| 305 | [LAC 33:III.2103.C.1.b] | Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0079 19-74 - Gasoline Blend Stock Tank (35-1)

| | | |
|---|---|---|
| 274 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 275 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 276 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 277 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 278 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 279 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 280 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 281 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 282 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 283 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 284 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 285 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 286 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 287 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 288 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |

### EQT 0078 18-74 - Sweet Naphtha Tank (35-2)

| | | |
|---|---|---|
| 259 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 260 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 261 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 262 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 263 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 264 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 265 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 266 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |
| 267 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

### EQT 0079 19-74 - Gasoline Blend Stock Tank (35-1)

| | | |
|---|---|---|
| 268 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 269 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 270 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 271 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 272 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 273 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0078 18-74 - Sweet Naphtha Tank (35-2)

| | | |
|---|---|---|
| 244 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 245 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 246 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 247 | [40 CFR 63.655(h)(2)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.655(h)(2)] |
| 248 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 249 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 250 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 251 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |
| 252 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 253 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 254 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 255 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 256 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 257 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 258 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |

## EQT 0077 17-74 - Cracked Distillate Tank (150-5)

| | | |
|---|---|---|
| 229 | [40 CFR 60.115b(a)(3)] | Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). 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. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)] |
| 230 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 231 | [40 CFR 60.116b(c)] | VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] |
| 232 | [40 CFR 60.116b(f)(1)] | Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] |
| 233 | [40 CFR 63.640(n)(1)] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb has been determined to be compliance with NESHAP, 40 CFR 63, Subpart CC. [40 CFR 63.640(n)(1)] |
| 234 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 235 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 236 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 237 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Kb; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |
| 238 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Kb has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |
| 239 | [LAC 33:III.5109.B] | Determine the compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112, Table 51.2. |

## EQT 0078 18-74 - Sweet Naphtha Tank (35-2)

| | | |
|---|---|---|
| 240 | [40 CFR 60.112(a)(1)] | Equipped with an external floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 241 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 242 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 243 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0077 17-74 - Cracked Distillate Tank (150-5)

| | | |
|---|---|---|
| 222 | [40 CFR 60.113b(a)(1)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 223 | [40 CFR 60.113b(a)(2)] | 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, 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, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension 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. Subpart Kb. [40 CFR 60.113b(a)(2)] |
| 224 | [40 CFR 60.113b(a)(2)] | Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 225 | [40 CFR 60.113b(a)(4)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 226 | [40 CFR 60.113b(a)(4)] | 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)] |
| 227 | [40 CFR 60.113b(a)(5)] | Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)] |
| 228 | [40 CFR 60.115b(a)(2)] | Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)] |

**EQT 0076 16-74 - Gasoline Tank (150-6)**

| | | |
|---|---|---|
| 213 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 214 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 215 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 216 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 217 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart K; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |
| 218 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart K has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

**EQT 0077 17-74 - Cracked Distillate Tank (150-5)**

| | | |
|---|---|---|
| 219 | [40 CFR 60.112b(a)(1)(i)] | Equip with a fixed roof in combination with an internal floating roof. 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 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)] |
| 220 | [40 CFR 60.112b(a)(1)(ii)(C)] | Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)] |
| 221 | [40 CFR 60.112b(a)(1)] | 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0075 15-74 - Cracked Distillate Tank (150-7)

| | | |
|---|---|---|
| 197 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 60, Subpart Kb has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |
| 198 | [LAC 33:III.5109.B] | Determine the compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112, Table 51.2. |

## EQT 0076 16-74 - Gasoline Tank (150-6)

| | | |
|---|---|---|
| 199 | [40 CFR 60.112(a)(1)] | Equipped with a internal floating roof. Subpart K. [40 CFR 60.112(a)(1)] |
| 200 | [40 CFR 60.113] | Petroleum liquid storage data recordkeeping by electronic or hard copy continuously. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K. |
| 201 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 202 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 203 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 204 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 205 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 206 | [40 CFR 63.655(h)(2)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.655(h)(2)] |
| 207 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 208 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 209 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 210 | [LAC 33:III.2103.C.1.a] | Equip internal floating roof with a liquid mounted seal consisting of 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. |
| 211 | [LAC 33:III.2103.C.1.c] | Equip internal floating roof with 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. |
| 212 | [LAC 33:III.2103.C.2] | Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover. |

### EQT 0075 15-74 - Cracked Distillate Tank (150-7)

| | | |
|---|---|---|
| 185 | [40 CFR 60.113b(a)(4)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 186 | [40 CFR 60.113b(a)(5)] | Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)] |
| 187 | [40 CFR 60.115b(a)(2)] | Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)] |
| 188 | [40 CFR 60.115b(a)(3)] | Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). 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. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)] |
| 189 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 190 | [40 CFR 60.116b(c)] | VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] |
| 191 | [40 CFR 60.116b(f)(1)] | Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] |
| 192 | [40 CFR 63.640(n)(1)] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb has been determined to be compliance with NESHAP, 40 CFR 63, Subpart CC (Group 1). [40 CFR 63.640(n)(1)] |
| 193 | [LAC 33:III.2103.C] | Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place. |
| 194 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 195 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 196 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103; 40 CFR 60, Subpart Kb; and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 52.21] |

## SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

### EQT 0075 15-74 - Cracked Distillate Tank (150-7)

| | | |
|---|---|---|
| 180 | [40 CFR 60.112b(a)(1)] | 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)] |
| 181 | [40 CFR 60.113b(a)(1)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 182 | [40 CFR 60.113b(a)(2)] | 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, 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, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension 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. Subpart Kb. [40 CFR 60.113b(a)(2)] |
| 183 | [40 CFR 60.113b(a)(2)] | Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 184 | [40 CFR 60.113b(a)(4)] | 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)] |

## EQT 0073 TV-12 - Routine Maintenance and Turnaround - Diesel Fired Equipment

| | | |
|---|---|---|
| 173 | [LAC 33:III.501.C.6] | Diesel <= 358470 gallons/yr.<br>Which Months: All Year Statistical Basis: None specified |
| 174 | [LAC 33:III.501.C.6] | Monitor diesel usage: Diesel monitored by calculations monthly.<br>Which Months: All Year Statistical Basis: None specified |
| 175 | [LAC 33:III.501.C.6] | Submit report: Due annually, by the 31st of March Total fuel usage for the engines operating during routine maintenance and turnaround along with the corresponding emissions. |
| 176 | [LAC 33:III.501.C.6] | Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total fuel used in engines when operating on site each month, as well as the total fuel usage for the last twelve months. Make records available for inspection by DEQ personnel. |
| 177 | [LAC 33:III.507] | Permittee shall comply with all the applicable state and federal requirements in operating diesel engines associated with generators, compressors, light plants, welding machines and any other necessary equipment. If a diesel fired engine is greater than 500 hp it shall not be operated more than 700 hours in consecutive six months. The total hours of routine maintenance can vary depending on the nature of maintenance but the total annual emissions shall not exceed the emission limits specified in this condition. The permittee shall calculate the emissions from the maintenance and turnaround activities based on the equipment utilization (diesel usage). The calculated emissions shall be recorded each month, as well as the total calculated emissions for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated emissions based on the equipment utilization above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall toal calculated emissions based on the equipment utilization shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507, 40 CFR 60, 40 CFR 63, 40 CFR 61, 40 CFR 70] |

## EQT 0075 15-74 - Cracked Distillate Tank (150-7)

| | | |
|---|---|---|
| 178 | [40 CFR 60.112b(a)(1)(i)] | Equip with a fixed roof in combination with an internal floating roof. 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 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)] |
| 179 | [40 CFR 60.112b(a)(1)(ii)(C)] | Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0063 TV-6 - Diesel Powered Fire Water Pump

| | | |
|---|---|---|
| 164 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

## EQT 0064 TV-7 - Diesel Powered Fire Water Pump

| | | |
|---|---|---|
| 165 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 166 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 167 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

## EQT 0065 TV-8 - Diesel Powered Generator

| | | |
|---|---|---|
| 168 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 169 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 170 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

## EQT 0072 TV-11 - Storage Tanks Cleaning

| | | |
|---|---|---|
| 171 | [LAC 33:III.507] | Permittee shall comply with the tank cleaning emission limits of this permit by maintaining the total calculated VOC emissions, Emission Point TV-11, based on the number of tanks cleaned per year to no more than 69.57 tons per year. The overall VOC emissions shall be calculated based on the number of tanks cleaned each month, as well as the VOC emissions calculated for all the tanks cleaned for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions based on the number of tanks cleaned above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions based on the number of tanks cleaned shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. |
| 172 | [LAC 33:III.Chapter 21] | Permittee shall comply with all the applicable state and federal requirements. [LAC 33:III.Chapter 21, LAC 33:III.501.C.6, 40 CFR 60, 40 CFR 63] |

### EQT 0060 TV-3 - Gasoline Powered Generator

| | | |
|---|---|---|
| 154 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 155 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

### EQT 0061 TV-4 - Diesel Powered Generator

| | | |
|---|---|---|
| 156 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 157 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 158 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

### EQT 0062 TV-5 - Diesel Powered Fire Water Pump

| | | |
|---|---|---|
| 159 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 160 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 161 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

### EQT 0063 TV-6 - Diesel Powered Fire Water Pump

| | | |
|---|---|---|
| 162 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 163 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0054 134-96 - Marine/Barge Loading Operations (Uncontrolled)

| | | |
|---|---|---|
| 142 | [40 CFR 63.648] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance with MACT requirements. [PSD-LA-719(M-1)]. [40 CFR 63.648, LAC 33:III.2121, LAC 33:III.5109.A, 40 CFR 60.590] |

## EQT 0055 14-97 - Propylene/Propane/Butane Loading/Unloading Rack

| | | |
|---|---|---|
| 143 | [40 CFR 60.104(a)(1)] | The permittee is exempt from installing CEM for the purpose of monitoring the H2S in the gas stream to the Loading/Unloading rack Vapor Combustor as per EPA's approval by letter dated September 20, 2004. Instead, shall monitor the H2S content in the stream before combustion as per the requirements of the Alternative Monitoring Plan approved by EPA on September 20, 2004. Subpart J. [40 CFR 60.104(a)(1)] |
| 144 | [LAC 33:III.2107.B] | VOC, Total >= 90 % DRE, using a vapor disposal system.<br>Which Months: All Year Statistical Basis: None specified |
| 145 | [LAC 33:III.2107.B] | Prevent spills during the attachment and disconnection of filling lines or arms. Equip loading and vapor lines with fittings which close automatically when disconnected, or equip to permit residual VOC in the loading line to discharge into a collection system or disposal or recycling system. |
| 146 | [LAC 33:III.2107.B] | Vapor Pressure > 1.5 psia: Equip with a vapor collection system consisting of, at a minimum, a vapor return line which returns all vapors displaced during loading to the VOC dispensing vessel or to a disposal system. |
| 147 | [LAC 33:III.2107.C] | VOC, Total monitored by visual, audible, and/or olfactory during loading or unloading, to detect leaks.<br>Which Months: All Year Statistical Basis: None specified |
| 148 | [LAC 33:III.2107.C] | Discontinue loading or unloading through the affected transfer lines when a leak is observed; do not resume loading or unloading until the observed leak is repaired. |
| 149 | [LAC 33:III.2107.D] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2107.D.1 and 2. |

## EQT 0059 TV-2 - Gasoline Powered Generator

| | | |
|---|---|---|
| 150 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 151 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 152 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |

## EQT 0060 TV-3 - Gasoline Powered Generator

| | | |
|---|---|---|
| 153 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |

### EQT 0048 107-90 - Marine Loading Vapor Combustor

| | | |
|---|---|---|
| 128 | [40 CFR 60.100] | The pilot, control system, and infrared detectors shall be maintained as per the manufacturing design to ensure Destruction Removal Efficiency (DRE) is obtained when operating. See Part 70 Specific Condition No. 3. [Early Reduction Program (ERP)]. |
| 129 | [40 CFR 60.104(a)(1)] | The permittee is exempt from installing CEM for the purpose of monitoring the H2S in the gas stream to the Marine Loading Vapor Combustor as per EPA's approval by letter dated May 16, 2005. Instead, shall monitor the H2S content in the stream before combustion as per the requirements of the Alternative Monitoring Plan approved by EPA on May 16, 2005. Subpart J. [40 CFR 60.104(a)(1)] |
| 130 | [LAC 33:III.1105] | Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.<br>Which Months: All Year Statistical Basis: None specified |
| 131 | [LAC 33:III.1105] | Submit notification: Due to SPOC as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. |
| 132 | [LAC 33:III.1107] | Submit report: Due in writing to SPOC within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. |
| 133 | [LAC 33:III.2108.C.2] | VOC, Total >= 90 % reduction by weight.<br>Which Months: All Year Statistical Basis: None specified |
| 134 | [LAC 33:III.2108.E] | Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. |
| 135 | [LAC 33:III.2108.F.1] | Submit test results: Due to the Office of Environmental Assessment within 45 days of any testing done in accordance with LAC 33:III.2108.E. |
| 136 | [LAC 33:III.2108.F.2] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e. |
| 137 | [LAC 33:III.509] | HAP: Permittee shall comply with all the applicable requirements of 40 CFR 63 Subpart D - Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 63.Subpart D, 40 CFR 52.21] |
| 138 | [LAC 33:III.5109.A] | Compliance with all the applicabe requirements of NSPS, 40 CFR 60.18 has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [PSD-LA-719(M-1)]. [LAC 33:III.5109.A, LAC 33:III.509, 40 CFR 52.21] |

### EQT 0049 123-91 - Propylene Cooling Tower

| | | |
|---|---|---|
| 139 | [40 CFR 63.402] | Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. |
| 140 | [40 CFR 63.404(a)] | Conduct water sample analysis in accordance with the test methods specified in 40 CFR 63.404(a), if cooling water sample analysis is required by DEQ. Subpart Q. [40 CFR 63.404(a)] |
| 141 | [40 CFR 63.404(c)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of water treatment chemical purchases, including invoices and other documentation that includes date(s) of purchase or shipment, trade name or other information to identify composition of the product, and quantity of the product. Subpart Q. [40 CFR 63.404(c)] |

### EQT 0054 134-96 - Marine/Barge Loading Operations (Uncontrolled)

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0045 1-88 - Butane Storage Tank

| | | |
|---|---|---|
| 113 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 114 | [LAC 33:III.2103.B] | Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. |
| 115 | [LAC 33:III.2103.E.1] | VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.<br>Which Months: All Year Statistical Basis: None specified |
| 116 | [LAC 33:III.2103.E] | Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. |
| 117 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 118 | [LAC 33:III.501.C.6] | Emissions routed to the Emergency Flare Station, Emission Point 3-88. |

## EQT 0046 2-88 - Butane Storage Tank

| | | |
|---|---|---|
| 119 | [40 CFR 60.112b(a)(3)(ii)] | VOC, Total >= 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 120 | [40 CFR 60.112b(a)(3)] | Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)] |
| 121 | [40 CFR 60.112b(b)(1)] | Equip with a closed vent system and control device as specified in 40 CFR 60.112b(a)(3). Subpart Kb. [40 CFR 60.112b(b)(1)] |
| 122 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 123 | [LAC 33:III.2103.B] | Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere. |
| 124 | [LAC 33:III.2103.E.1] | VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.<br>Which Months: All Year Statistical Basis: None specified |
| 125 | [LAC 33:III.2103.E] | Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. |
| 126 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 127 | [LAC 33:III.501.C.6] | Emissions routed to the Emergency Flare Station, Emission Point 3-88. |

## EQT 0048 107-90 - Marine Loading Vapor Combustor

### EQT 0028 6-00 - Conveyor

| | | |
|---|---|---|
| 100 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 101 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

### EQT 0029 7-00 - Silo Loading

| | | |
|---|---|---|
| 102 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 103 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

### EQT 0030 8-00 - Railcar/Truck/Barge Loading of Coke

| | | |
|---|---|---|
| 104 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 105 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

### EQT 0038 5-04 - Clean Fuels Emergency Generator

| | | |
|---|---|---|
| 106 | [40 CFR 63.6580] | Shall comply with all the applicable requirements of NESHAP, 40 CFR 63, Subpart ZZZZ by May 3, 2013. |
| 107 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 108 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |
| 109 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |

### EQT 0045 1-88 - Butane Storage Tank

| | | |
|---|---|---|
| 110 | [40 CFR 60.112b(a)(3)(ii)] | VOC, Total >= 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 111 | [40 CFR 60.112b(a)(3)] | Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)] |
| 112 | [40 CFR 60.112b(b)(1)] | Equip with a closed vent system and control device as specified in 40 CFR 60.112b(a)(3). Subpart Kb. [40 CFR 60.112b(b)(1)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## CRG 0002 FUGCH21 - Chapter 21 - Fugitives

| | | |
|---|---|---|
| 86 | [LAC 33:III.2121.C.3.b] | All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 87 | [LAC 33:III.2121.C.4.c] | Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).<br>Which Months: All Year Statistical Basis: None specified |
| 88 | [LAC 33:III.2121.C.4.c] | Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.<br>Which Months: All Year Statistical Basis: None specified |
| 89 | [LAC 33:III.2121.E.1] | When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. |
| 90 | [LAC 33:III.2121.E] | Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request. |
| 91 | [LAC 33:III.2121.F] | Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period. |

## CRG 0003 FUGGGG - NSPS Subpart GGG - Fugitives

**Group Members:** FUG 0008 FUG 0013 FUG 0020 FUG 0022 FUG 0035 FUG 0040 FUG 0046

| | | |
|---|---|---|
| 92 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 93 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 94 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |

## CRG 0004 NESHAPCC - NESHAP Subpart CC - Fugitives

**Group Members:** FUG 0014 FUG 0015 FUG 0032 FUG 0043

| | | |
|---|---|---|
| 95 | [40 CFR 63.648(a)] | Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 96 | [40 CFR 63.648(a)] | Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 97 | [40 CFR 63.648(c)] | Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)] |
| 98 | [40 CFR 63.648(h)] | Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)] |
| 99 | [40 CFR 63.655(d)] | Comply with the recordkeeping and reporting provisions in 40 CFR 63.655(d)(1) through (d)(6). Subpart CC. [40 CFR 63.655(d)] |

## CRG 0002 FUGCH21 - Chapter 21 - Fugitives

**Group Members:** FUG 0009 FUG 0025 FUG 0029 FUG 0033 FUG 0037 FUG 0039 FUG 0045 FUG 0080 FUG 0081 FUG 0083 FUG 0085

| | | |
|---|---|---|
| 75 | [LAC 33:III.2121.B.1] | Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration. |
| 76 | [LAC 33:III.2121.B.2] | Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. |
| 77 | [LAC 33:III.2121.B.3] | Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided. |
| 78 | [LAC 33:III.2121.C.1.a.i] | Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater (Under Consent Decree 2,000 ppmv or greater) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 79 | [LAC 33:III.2121.C.1.a.ii] | Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 80 | [LAC 33:III.2121.C.1.a.iii] | Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 81 | [LAC 33:III.2121.C.1.b.i] | Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 82 | [LAC 33:III.2121.C.1.b.ii] | Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater (Under Consent Decree 500 ppmv or greater) is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).<br>Which Months: All Year Statistical Basis: None specified |
| 83 | [LAC 33:III.2121.C.1.b.iii] | Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |
| 84 | [LAC 33:III.2121.C.1.c] | Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).<br>Which Months: All Year Statistical Basis: None specified |
| 85 | [LAC 33:III.2121.C.3.a] | Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.<br>Which Months: All Year Statistical Basis: None specified |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## CRG 0001 LAMACT - LA Refinery MACT - Fugitives

| | | |
|---|---|---|
| 66 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.<br>Which Months: All Year Statistical Basis: None specified |
| 67 | [LAC 33:III.5109.A] | Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9.<br>Which Months: All Year Statistical Basis: None specified |
| 68 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. |
| 69 | [LAC 33:III.5109.A] | Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 70 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.<br>Which Months: All Year Statistical Basis: None specified |
| 71 | [LAC 33:III.5109.A] | Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.<br>Which Months: All Year Statistical Basis: None specified |
| 72 | [LAC 33:III.5109.A] | Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 73 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.<br>Which Months: All Year Statistical Basis: None specified |
| 74 | [LAC 33:III.5109.A] | Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. |

**CRG 0001 LAMACT - LA Refinery MACT - Fugitives**

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| 56 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. |
| 57 | [LAC 33:III.5109.A] | Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 58 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.<br>Which Months: All Year Statistical Basis: None specified |
| 59 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 60 | [LAC 33:III.5109.A] | Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 61 | [LAC 33:III.5109.A] | Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 62 | [LAC 33:III.5109.A] | Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 63 | [LAC 33:III.5109.A] | Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.<br>Which Months: All Year Statistical Basis: None specified |
| 64 | [LAC 33:III.5109.A] | Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 65 | [LAC 33:III.5109.A] | Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## CRG 0001 LAMACT - LA Refinery MACT - Fugitives

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| 47 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements. |
| 48 | [LAC 33:III.5109.A] | Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 49 | [LAC 33:III.5109.A] | Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4. |
| 50 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (percent leaking valves >= 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.<br>Which Months: All Year Statistical Basis: None specified |
| 51 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.<br>Which Months: All Year Statistical Basis: None specified |
| 52 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 53 | [LAC 33:III.5109.A] | Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 54 | [LAC 33:III.5109.A] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 55 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1.<br>Which Months: All Year Statistical Basis: None specified |

### CRG 0001 LAMACT - LA Refinery MACT - Fugitives

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| 38 | [LAC 33:III.5109.A] | Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. |
| 39 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. |
| 40 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 41 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. |
| 42 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.<br>Which Months: All Year Statistical Basis: None specified |
| 43 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1. |
| 44 | [LAC 33:III.5109.A] | Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. |
| 45 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). . Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.<br>Which Months: All Year Statistical Basis: None specified |
| 46 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## CRG 0001 LAMACT - LA Refinery MACT - Fugitives

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| 30 | [LAC 33:III.5109.A] | Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 31 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 32 | [LAC 33:III.5109.A] | Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. |
| 33 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.<br>Which Months: All Year Statistical Basis: None specified |
| 34 | [LAC 33:III.5109.A] | Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3.<br>Which Months: All Year Statistical Basis: None specified |
| 35 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.<br>Which Months: All Year Statistical Basis: None specified |
| 36 | [LAC 33:III.5109.A] | Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 37 | [LAC 33:III.5109.A] | Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days.<br>Which Months: All Year Statistical Basis: None specified |

**CRG 0001 LAMACT - LA Refinery MACT - Fugitives**

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| 21 | [LAC 33:III.5109.A] | Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.<br>Which Months: All Year Statistical Basis: None specified |
| 22 | [LAC 33:III.5109.A] | Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. |
| 23 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.<br>Which Months: All Year Statistical Basis: None specified |
| 24 | [LAC 33:III.5109.A] | Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 25 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 500 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.<br>Which Months: All Year Statistical Basis: None specified |
| 26 | [LAC 33:III.5109.A] | Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 27 | [LAC 33:III.5109.A] | Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. |
| 28 | [LAC 33:III.5109.A] | Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. |
| 29 | [LAC 33:III.5109.A] | Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## CRG 0001 LAMACT - LA Refinery MACT - Fugitives

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| 12 | [LAC 33:III.5109.A] | VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 13 | [LAC 33:III.5109.A] | Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 14 | [LAC 33:III.5109.A] | Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2. |
| 15 | [LAC 33:III.5109.A] | Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 16 | [LAC 33:III.5109.A] | Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. |
| 17 | [LAC 33:III.5109.A] | Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.<br>Which Months: All Year Statistical Basis: None specified |
| 18 | [LAC 33:III.5109.A] | Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.<br>Which Months: All Year Statistical Basis: None specified |
| 19 | [LAC 33:III.5109.A] | Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). |
| 20 | [LAC 33:III.5109.A] | VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).<br>Which Months: All Year Statistical Basis: None specified |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## ARE 0006 3-00 - Crusher Load-In (coke)

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| 1 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 2 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

## ARE 0007 2-00 - Coker Stockpile (coke)

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| 3 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 4 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

## ARE 0008 4-00 - Crushing of Coke

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|---|---|---|
| 5 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 6 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

## ARE 0009 5-00 - Container Drop-Crusher to Conveyor

| | | |
|---|---|---|
| 7 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |
| 8 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

## ARE 0010 9-00 - Coker Haul Road

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|---|---|---|
| 9 | [LAC 33:III.1305] | Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719(M-1)]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21] |

## ARE 0011 30-08 - Wastewater Collection/Treatment Operations (Trains 1-5)

| | | |
|---|---|---|
| 10 | [40 CFR 60.692.1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [PSDLA-719(M-1)]. [40 CFR 60.692.1-7, 40 CFR 60.695, 40 CFR 60.698, 40 CFR 52.21, LAC 33:III.509] |
| 11 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of 40 CFR 61.340 thru 61.355 (UNF003) has been determined to be compliance with MACT in accordance with NESHAP 40 CFR 63.647 and LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 63.647] |

## CRG 0001 LAMACT - LA Refinery MACT - Fugitives

**Group Members:** FUG 0006 FUG 0012 FUG 0016 FUG 0017 FUG 0018 FUG 0019 FUG 0021 FUG 0024 FUG 0026 FUG 0027 FUG 0028 FUG 0030 FUG 0031 FUG 0036 FUG 0041 FUG 0048 FUG 0082 FUG 0084 FUG 0086 FUG 0087



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0236 47-08 - Sour Water Storage Tank (233-1901)

| | | |
|---|---|---|
| 1777 | [40 CFR 60.112b(a)(1)(i)] | Equip with a fixed roof in combination with an internal floating roof. 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 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. Subpart Kb. [40 CFR 60.112b(a)(1)(i)] |
| 1778 | [40 CFR 60.112b(a)(1)(ii)(C)] | Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)] |
| 1779 | [40 CFR 60.112b(a)(1)] | 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. Equip 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 with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close 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. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. 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. 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. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)] |
| 1780 | [40 CFR 60.112b] | Permittee shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb on a voluntary basis. [Voluntarily]. |
| 1781 | [40 CFR 60.113b(a)(1)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]<br>Which Months: All Year Statistical Basis: None specified |
| 1782 | [40 CFR 60.113b(a)(2)] | 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, 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, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension 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. Subpart Kb. [40 CFR 60.113b(a)(2)] |
| 1783 | [40 CFR 60.113b(a)(2)] | Tank roof and seals monitored by visual inspection/determination annually. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]<br>Which Months: All Year Statistical Basis: None specified |

**EQT 0236 47-08 - Sour Water Storage Tank (233-1901)**

| | | |
|---|---|---|
| 1784 | [40 CFR 60.113b(a)(4)] | Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. 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 a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 1785 | [40 CFR 60.113b(a)(4)] | 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, 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 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)] |
| 1786 | [40 CFR 60.113b(a)(5)] | Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)] |
| 1787 | [40 CFR 60.115b(a)(1)] | Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)] |
| 1788 | [40 CFR 60.115b(a)(2)] | Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (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). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)] |
| 1789 | [40 CFR 60.115b(a)(3)] | Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). 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. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)] |
| 1790 | [40 CFR 60.116b(b)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)] |
| 1791 | [40 CFR 60.116b(c)] | VOL storage data recordkeeping by electronic or hard copy continuously. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)] |
| 1792 | [40 CFR 60.116b(d)] | Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0236 47-08 - Sour Water Storage Tank (233-1901)

| | | |
|---|---|---|
| 1793 | [40 CFR 60.116b(f)(1)] | Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)] |
| 1794 | [40 CFR 60.116b(f)(2)] | Vapor pressure monitored by physical testing once initially and once every six months using the methods specified in 40 CFR 60.116b(f)(2)(i) through (iii). Subpart Kb. [40 CFR 60.116b(f)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1795 | [40 CFR 63.655] | Group 2 Tanks. No controls required as the true vapor pressure is less than 1.5 psia. Only recordkeeping requirements are applicable. 40 CFR 63, Subpart CC. |
| 1796 | [LAC 33:III.507] | Permittee voluntarily complies with the applicable requirements of NSPS, 40 CFR 60, Subpart Kb with an internal floating roof. Subpart Kb. |
| 1797 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (Group 2) has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. |

## EQT 0237 57-08 - Kerosene Tank (300-18)

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|---|---|---|
| 1798 | [40 CFR 63.642(e)] | Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)] |
| 1799 | [40 CFR 63.642(g)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)] |
| 1800 | [40 CFR 63.642(h)] | Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)] |
| 1801 | [40 CFR 63.646(a)] | Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)] |
| 1802 | [40 CFR 63.646(f)(1)] | If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)] |
| 1803 | [40 CFR 63.646(f)(2)] | Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)] |
| 1804 | [40 CFR 63.646(f)(3)] | Keep automatic bleeder vents 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. Subpart CC. [40 CFR 63.646(f)(3)] |
| 1805 | [40 CFR 63.655(f)] | Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.655(f). Subpart CC. [40 CFR 63.655(f)] |
| 1806 | [40 CFR 63.655] | Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. |
| 1807 | [40 CFR 63.655] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G. Subpart CC. |
| 1808 | [LAC 33:III.2103.B] | Equip with a submerged fill pipe. |
| 1809 | [LAC 33:III.2103.D.2.a] | Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. |
| 1810 | [LAC 33:III.2103.D.2.b] | Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall. |

**EQT 0237 57-08 - Kerosene Tank (300-18)**

| | | |
|---|---|---|
| 1811 | [LAC 33:III.2103.D.2.c] | Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1812 | [LAC 33:III.2103.D.2.d] | Seal gap area <= 10 in^2/ft of tank diameter (65 cm2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.<br>Which Months: All Year Statistical Basis: None specified |
| 1813 | [LAC 33:III.2103.D.2.e] | Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.<br>Which Months: All Year Statistical Basis: None specified |
| 1814 | [LAC 33:III.2103.D.2.e] | Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. |
| 1815 | [LAC 33:III.2103.D.2.e] | Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1816 | [LAC 33:III.2103.D.2.e] | Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts. |
| 1817 | [LAC 33:III.2103.D.2.e] | Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.<br>Which Months: All Year Statistical Basis: None specified |
| 1818 | [LAC 33:III.2103.D.3] | Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. |
| 1819 | [LAC 33:III.2103.D.3] | Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. |
| 1820 | [LAC 33:III.2103.D] | Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. |
| 1821 | [LAC 33:III.2103.D] | Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. |
| 1822 | [LAC 33:III.2103.H.1] | Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1. |
| 1823 | [LAC 33:III.2103.H.3] | Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. |
| 1824 | [LAC 33:III.2103.I] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. |
| 1825 | [LAC 33:III.509] | Compliance with all the applicable requirements of LAC 33:III.2103 and 40 CFR 63, Subpart CC has been determined to be compliance with BACT in accordance with New Source Review (PSD) requirements. [PSD-LA-719(M-1)]. [LAC 33:III.509, 40 CFR 51.21] |
| 1826 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. [LAC 33:III.5109.A, 40 CFR 60.110b, 40 CFR 63.640(n)(2)] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0238 13-00 - Sulfur Pit Unit 45

1827 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0239 26-08 - Sulfur Pit Unit 220

1828 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0240 27-08 - Sulfur Pit Unit 234

1829 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0241 28-08 - Sulfur Plant Storage Tank (44-1903)

1830 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0242 29-08 - Sulfur Truck Loading

1831 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0243 51-74 - Sulfur Pit Unit 20

1832 [LAC 33:III.5107.A.2] Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. [LAC 33:III.5107.A.2, LAC 33:III.509, 40 CFR 52.21]

## EQT 0244 55-08 - GME Marine Vapor Combustor

1833 [40 CFR 60.100] The pilot, control system, and infrared detectors shall be maintained as per the manufacturing design to ensure Destruction Removal Efficiency (DRE) is obtained when operating. See Part 70 Specific Condition No. 3. [Early Reduction Program (ERP)].

### EQT 0244 55-08 - GME Marine Vapor Combustor

| | | |
|---|---|---|
| 1834 | [40 CFR 60.104(a)(1)] | The permittee is exempt from installing CEM for the purpose of monitoring the H2S in the gas stream to the Marine Loading Vapor Combustor as per EPA's approval by letter dated May 16, 2005. [40 CFR 60.104(a)(1)] |
| 1835 | [40 CFR 60.104(a)(1)] | Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]<br>Which Months: All Year Statistical Basis: Three-hour rolling average |
| 1836 | [40 CFR 60.106(a)] | Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)] |
| 1837 | [40 CFR 60.106] | Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. |
| 1838 | [40 CFR 63.70] | HAP: Permittee shall comply with all the applicable requirements of 40 CFR 63 Subpart D - Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants. |
| 1839 | [LAC 33:III.1105] | Submit notification: Due to SPOC as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:I.3923. Notification is required only if the upset cannot be controlled in six hours. |
| 1840 | [LAC 33:III.1105] | Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.<br>Which Months: All Year Statistical Basis: None specified |
| 1841 | [LAC 33:III.1107] | Submit report: Due in writing to SPOC within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. |
| 1842 | [LAC 33:III.1503.C] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with all the applicable requirements of LAC 33:III.Chapter 15. |
| 1843 | [LAC 33:III.2108.C.2] | VOC, Total >= 90 % reduction by weight.<br>Which Months: All Year Statistical Basis: None specified |
| 1844 | [LAC 33:III.2108.E] | Determine compliance with LAC 33:III.2108.C.3 using the methods in LAC 33:III.2108.E.1-5, as appropriate. |
| 1845 | [LAC 33:III.2108.F.1] | Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days of any testing done in accordance with LAC 33:III.2108.E. |
| 1846 | [LAC 33:III.2108.F.2] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2108.F.2.a-e. |
| 1847 | [LAC 33:III.5109.A] | Compliance with all the applicable requirements of NSPS, 40 CFR 60.18 is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51. [PSD-LA-719(M-1)]. [LAC 33:III.5109.A, LAC 33:III.509, 40 CFR 52.21] |

### EQT 0246 1-06 - Sulfur Plant Storage Tank (44-1904)

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|---|---|---|
| 1848 | [LAC 33:III.5107.A.2] | Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.[PSD-LA-719(M-1)]. |

### EQT 0257 58-08 - Thermal Fluid Heater No. 1

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0257 58-08 - Thermal Fluid Heater No. 1

| | | |
|---|---|---|
| 1849 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1850 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1851 | [LAC 33:III.507.H.1.a] | Off gas streams from miscellaneous tanks and scrubbers are routed to this heater and are introduced into the flame zone. |

## EQT 0258 59-08 - Thermal Fluid Heater No. 2

| | | |
|---|---|---|
| 1852 | [LAC 33:III.1101.B] | Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: None specified |
| 1853 | [LAC 33:III.1313.C] | Total suspended particulate <= 0.6 lb/MMBTU of heat input.<br>Which Months: All Year Statistical Basis: None specified |
| 1854 | [LAC 33:III.507.H.1.a] | Off gas streams from miscellaneous tanks and scrubbers are routed to this heater and are introduced into the flame zone. |

## EQT 0259 60-08 - API/DAF Slurry Tank No. 1 (1701)

| | | |
|---|---|---|
| 1855 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1856 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

## EQT 0260 61-08 - API/DAF Slurry Tank No. 2 (1702)

| | | |
|---|---|---|
| 1857 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1858 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

## EQT 0261 62-08 - API/DAF Slurry Tank No. 3 (1703)

| | | |
|---|---|---|
| 1859 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1860 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

### EQT 0262 63-08 - Tank Bottoms Tank

| | | |
|---|---|---|
| 1861 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1862 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

### EQT 0263 64-08 - Cat Slurry Tank

| | | |
|---|---|---|
| 1863 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1864 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

### EQT 0264 65-08 - Oil Buffer Tank

| | | |
|---|---|---|
| 1865 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1866 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

### EQT 0265 66-08 - Recovered Oil Tank

| | | |
|---|---|---|
| 1867 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 1868 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No controls are required. |

### EQT 0266 67-08 - CPI Separator

| | | |
|---|---|---|
| 1869 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.697] |
| 1870 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |

### EQT 0267 68-08 - Roll-Off Box Shaker

| | | |
|---|---|---|
| 1871 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |

### EQT 0268 69-08 - Roll-Off Hopper




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0268 69-08 - Roll-Off Hopper

| | | |
|---|---|---|
| 1872 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |

## EQT 0270 92-74 - Sulfur Pit Unit 34

| | | |
|---|---|---|
| 1873 | [LAC 33:III.5107.A.2] | Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.[PSD-LA-719(M-1)]. |

## EQT 0271 61A-74 - Old South No. 1 Cooling Tower

| | | |
|---|---|---|
| 1874 | [40 CFR 63.402] | Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. |
| 1875 | [40 CFR 63.404(a)] | Conduct water sample analysis in accordance with the test methods specified in 40 CFR 63.404(a), if cooling water sample analysis is required by DEQ. Subpart Q. [40 CFR 63.404(a)] |
| 1876 | [40 CFR 63.404(c)] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records of water treatment chemical purchases, including invoices and other documentation that includes date(s) of purchase or shipment, trade name or other information to identify composition of the product, and quantity of the product. Subpart Q. [40 CFR 63.404(c)] |
| 1877 | [40 CFR 63.406] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. |

## EQT 0272 61B-74 - FCCU Cooling Tower

| | | |
|---|---|---|
| 1878 | [40 CFR 63.402] | Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. |
| 1879 | [40 CFR 63.404(a)] | Conduct water sample analysis in accordance with the test methods specified in 40 CFR 63.404(a), if cooling water sample analysis is required by DEQ. Subpart Q. [40 CFR 63.404(a)] |
| 1880 | [40 CFR 63.404(c)] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records of water treatment chemical purchases, including invoices and other documentation that includes date(s) of purchase or shipment, trade name or other information to identify composition of the product, and quantity of the product. Subpart Q. [40 CFR 63.404(c)] |
| 1881 | [40 CFR 63.406] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. |

## EQT 0273 61C-74 - HF Alky Cooling Tower

| | | |
|---|---|---|
| 1882 | [40 CFR 63.402] | Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. |
| 1883 | [40 CFR 63.404(a)] | Conduct water sample analysis in accordance with the test methods specified in 40 CFR 63.404(a), if cooling water sample analysis is required by DEQ. Subpart Q. [40 CFR 63.404(a)] |

### EQT 0273 61C-74 - HF Alky Cooling Tower

| | | |
|---|---|---|
| 1884 | [40 CFR 63.404(c)] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records of water treatment chemical purchases, including invoices and other documentation that includes date(s) of purchase or shipment, trade name or other information to identify composition of the product, and quantity of the product. Subpart Q. [40 CFR 63.404(c)] |
| 1885 | [40 CFR 63.406] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. |

### EQT 0274 61D-74 - New No. 4 Cooling Tower

| | | |
|---|---|---|
| 1886 | [40 CFR 63.402] | Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q. |
| 1887 | [40 CFR 63.404(a)] | Conduct water sample analysis in accordance with the test methods specified in 40 CFR 63.404(a), if cooling water sample analysis is required by DEQ. Subpart Q. [40 CFR 63.404(a)] |
| 1888 | [40 CFR 63.404(c)] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records of water treatment chemical purchases, including invoices and other documentation that includes date(s) of purchase or shipment, trade name or other information to identify composition of the product, and quantity of the product. Subpart Q. [40 CFR 63.404(c)] |
| 1889 | [40 CFR 63.406] | Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. |

### EQT 0275 70-08 - Asphalt Railcar Loading

| | | |
|---|---|---|
| 1890 | [LAC 33:III.Chapter 51] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. |

### EQT 0279 3-88 - Emergency Flare Station

| | | |
|---|---|---|
| 1891 | [40 CFR 60.112b(a)(3)] | Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)] |
| 1892 | [40 CFR 60.18(c)(1)] | Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)] |
| 1893 | [40 CFR 60.18(c)(2)] | Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)] |
| 1894 | [40 CFR 60.18(c)(3)(ii)] | Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]<br>Which Months: All Year Statistical Basis: None specified |
| 1895 | [40 CFR 60.18(c)(4)(i)] | Velocity < 100 ft/sec as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]<br>Which Months: All Year Statistical Basis: None specified |
| 1896 | [40 CFR 60.18(c)(5)] | Exit Velocity <_ ft/sec (Vmax). Determine Vmax using the method specified in 40 CFR 60.18(f)(6). Subpart A. [40 CFR 60.18(c)(5)]<br>Which Months: All Year Statistical Basis: None specified |
| 1897 | [40 CFR 60.18(d)] | Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## EQT 0279 3-88 - Emergency Flare Station

| | | |
|---|---|---|
| 1898 | [40 CFR 60.18(e)] | Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)] |
| 1899 | [40 CFR 60.18(f)(2)] | Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 1900 | [LAC 33:III.1105] | Submit notification: Due to the Office of Environmental Compliance as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify by telephone at (225) 763-3908 during office hours; (225) 342-1234 after hours, weekends, and holidays; or by e-mail utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. Notification is required only if the upset cannot be controlled in six hours. |
| 1901 | [LAC 33:III.1105] | Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.<br>Which Months: All Year Statistical Basis: None specified |
| 1902 | [LAC 33:III.1107] | Submit report: Due in writing to the Office of Environmental Compliance, Surveillance Division, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. |
| 1903 | [LAC 33:III.1311.C] | Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.<br>Which Months: All Year Statistical Basis: Six-minute average |
| 1904 | [LAC 33:III.501.C.6] | Equipment/operational data monitored by technically sound method continuously.<br>Which Months: All Year Statistical Basis: None specified |
| 1905 | [LAC 33:III.507.H.1.a] | Submit report: Due annually, by the 31st of March. Report the calculated emissions based on the loading of the flare for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. |
| 1906 | [LAC 33:III.507.H.1.a] | Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total calculated actual emissions based on the loading of the flare each month, as well as the total calculated actual emissions based on the loading of the flare for the last twelve months. Make records available for inspection by DEQ personnel. |

## FUG 0006 Unit 5 Fug. - Coker Unit Fugitives

| | | |
|---|---|---|
| 1907 | [40 CFR 60.590] | Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with LA Refinery MACT Determination of July 26, 1994 under LAC 33:III.5109.A (CRG001) has been determined to be compliance with 40 CFR 63 Subpart CC, 40 CFR 60 Subpart GGG and LAC 33:III.2121. [PSD-LA-719(M-1)]. [40 CFR 60.590, 40 CFR 63.648, LAC 33:III.2121] |
| 1908 | [40 CFR 60.692(1-7)] | Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [PSD-LA-719(M-1)]. [40 CFR 60.692(1-7)] |

## FUG 0008 Unit 45 Fug. - Sulfur Plant No. 3 Fugitives

| | | |
|---|---|---|
| 1909 | [40 CFR 52.21] | Shall comply with all the applicable requirements of 40 CFR 52 and the PSD Permit No. PSD-LA-719(M-1). |
| 1910 | [40 CFR 60.692(1-7)] | Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [PSD-LA-719]. [40 CFR 60.692(1-7)] |

### FUG 0008 Unit 45 Fug. - Sulfur Plant No. 3 Fugitives

| | | |
|---|---|---|
| 1911 | [LAC 33:III.2121] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with 40 CFR 60.590, and LAC 33:III2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590] |

### FUG 0009 Unit 47 Fug. - New Amine Unit Fugitives

| | | |
|---|---|---|
| 1912 | [40 CFR 60.692(1-7)] | Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [40 CFR 60.692(1-7)] |
| 1913 | [LAC 33:III.2121] | Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with 40 CFR 60.590, LAC 33:III.5109.A, and LAC 33:III2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.5109.A] |

### FUG 0012 Unit 55 Fug. - GDU Fugitives

| | | |
|---|---|---|
| 1914 | [40 CFR 60.692(1-7)] | Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [40 CFR 60.692(1-7)] |
| 1915 | [40 CFR 63.640] | Compliance with all the applicable requirements of Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC; 40 CFR 60, Subpart GGG and LAC 33:III2121. [PSD-LA-719(M-1)]. [40 CFR 60.590, LAC 33:III.2121, LAC 33:III.5109.A, 40 CFR 63.640] |
| 1916 | [LAC 33:III.2111] | Equip all rotary pumps and compressors with mechanical seals. |

### FUG 0013 Unit 7 Fug. - Rose Unit Fugitives

| | | |
|---|---|---|
| 1917 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 1918 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 1919 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 1920 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 1921 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1922 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.509, 40 CFR 52.21] |

### FUG 0014 Unit 8 Fug. - Hydrotreater Unit Fugitives

| | | |
|---|---|---|
| 1923 | [40 CFR 60.482.1-10] | Compliance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries (CRG004) has been determined to be compliance with 40 CFR 60, Subpart GGG and LAC 33:III.2121 (Non-HON Unit). [40 CFR 60.482.1-10, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## FUG 0014 Unit 8 Fug. - Hydrotreater Unit Fugitives

| | | |
|---|---|---|
| 1924 | [40 CFR 63.648(a)] | Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 1925 | [40 CFR 63.648(h)] | Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)] |
| 1926 | [40 CFR 63.654(d)] | Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)] |
| 1927 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |

## FUG 0015 Unit 9 Fug. - Penex, Dip Unit Fugitives

| | | |
|---|---|---|
| 1928 | [40 CFR 60.482.1-10] | Compliance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries (CRG003) has been determined to be compliance with 40 CFR 60, Subpart GGG and LAC 33:III.2121 (Non-HON Unit). [40 CFR 60.482.1-10, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |
| 1929 | [40 CFR 63.648(a)] | Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 1930 | [40 CFR 63.648(h)] | Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)] |
| 1931 | [40 CFR 63.654(d)] | Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)] |
| 1932 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |

## FUG 0016 Unit 10 Fug. - Crude Unit Fugitives

| | | |
|---|---|---|
| 1933 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ for all new drains and closed vent systems. Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 1934 | [40 CFR 61.342(e)] | Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)] |
| 1935 | [40 CFR 61.355] | Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. |
| 1936 | [40 CFR 61.356(a)(4)] | Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357] |
| 1937 | [40 CFR 61.356] | Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. |
| 1938 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |

**FUG 0016 Unit 10 Fug. - Crude Unit Fugitives**

| | | |
|---|---|---|
| 1939 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

**FUG 0017 Unit 11 Fug. - Naphtha Hydrotreater Unit Fugitives**

| | | |
|---|---|---|
| 1940 | [40 CFR 61.342(e)] | Benzene: Permittee shall comply with all the applicable alternative requirements of paragraphs 40 CFR 61.342(c) and (d) for Naphtha dewatering sumps. The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)] |
| 1941 | [40 CFR 61.356(a)(4)] | Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357] |
| 1942 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1943 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

**FUG 0018 Unit 12 Fug. - Platforming Unit Fugitives**

| | | |
|---|---|---|
| 1944 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 1945 | [40 CFR 61.342(e)] | Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)] |
| 1946 | [40 CFR 61.356(a)(4)] | Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357] |
| 1947 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1948 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

**FUG 0019 Unit 14 Fug. - Distillate Hydrotreater Unit Fugitives**

| | | |
|---|---|---|
| 1949 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ and LAC 33:III.2121. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## FUG 0019 Unit 14 Fug. - Distillate Hydrotreater Unit Fugitives

| | | |
|---|---|---|
| 1950 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1951 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

## FUG 0020 Unit 15 Fug. - HGO Hydrotreater Unit Fugitives

| | | |
|---|---|---|
| 1952 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 1953 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 1954 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 1955 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 1956 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1957 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG001) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.509, 40 CFR 52.21] |

## FUG 0021 Unit 16 Fug. - FCC Gas. Merox Unit Fugitives

| | | |
|---|---|---|
| 1958 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1959 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648, 40 CFR 60.590] |

## FUG 0022 Unit 17 Fug. - FCC Unsaturated LPG Merox Unit Fugitives

| | | |
|---|---|---|
| 1960 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 1961 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 1962 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 1963 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.509, 40 CFR 52.21] |

## FUG 0024 Unit 19 Fug. - Amine/Sour Water Stripper Unit Fugitives

### FUG 0024 Unit 19 Fug. - Amine/Sour Water Stripper Unit Fugitives

| | | |
|---|---|---|
| 1964 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ and LAC 33:III.2121. [PSD-LA719(M-1)]. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |
| 1965 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1966 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

### FUG 0025 Unit 20 Fug. - Sulfur Plant No. 1 Unit Fugitives

| | | |
|---|---|---|
| 1967 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

### FUG 0026 Unit 21 Fug. - Tail Gas Amine Regeneration Unit Fugitives

| | | |
|---|---|---|
| 1968 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590, 40 CFR 63.648] |

### FUG 0027 Unit 22 Fug. - Saturates Gas Plant Unit Fugitives

| | | |
|---|---|---|
| 1969 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1970 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

### FUG 0028 Unit 23 Fug. - Saturated Propane Merox Unit Fugitives

| | | |
|---|---|---|
| 1971 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |

### FUG 0029 Unit 24 Fug. - Saturated Butane Merox Unit Fugitives

| | | |
|---|---|---|
| 1972 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1973 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## FUG 0030 Unit 25 Fug. - FCC Unit Fugitives

| | | |
|---|---|---|
| 1974 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1975 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648, 40 CFR 60.590] |

## FUG 0031 Unit 26 Fug. - FCC Gas Con. Unit Fugitives

| | | |
|---|---|---|
| 1976 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1977 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648, 40 CFR 60.590] |

## FUG 0032 Unit 27 Fug. - HF Alkylation Unit Fugitives

| | | |
|---|---|---|
| 1978 | [40 CFR 60.482.1-10] | Compliance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries (CRG001) has been determined to be compliance in accordance with 40 CFR 60, Subpart GGG and LAC 33:III.2121 (Non-HON Unit). [40 CFR 60.482.1-10, 40 CFR 63.648, LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509] |
| 1979 | [40 CFR 63.648(a)] | Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 1980 | [40 CFR 63.648(h)] | Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)] |
| 1981 | [40 CFR 63.654(d)] | Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)] |
| 1982 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |

## FUG 0033 Unit 28 Fug. - Butane Isomerization Unit Fugitives

| | | |
|---|---|---|
| 1983 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1984 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

## FUG 0035 Unit 32 Fug. - Amine Regeneration Unit Fugitives

| | | |
|---|---|---|
| 1985 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 1986 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |

### FUG 0035 Unit 32 Fug. - Amine Regeneration Unit Fugitives

| | | |
|---|---|---|
| 1987 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 1988 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1989 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509, 40 CFR 60.590] |

### FUG 0036 Unit 33 Fug. - Amine/Sour Water Stripper Unit Fugitives

| | | |
|---|---|---|
| 1990 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648] |

### FUG 0037 Unit 34 Fug. - Sulfur Plant No. 2 Unit Fugitives

| | | |
|---|---|---|
| 1991 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

### FUG 0039 Unit 43 Fug. - Fuel Gas System Unit Fugitives

| | | |
|---|---|---|
| 1992 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 1993 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

### FUG 0040 Unit 46 Fug. - Propylene Splitter Fugitives

| | | |
|---|---|---|
| 1994 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 1995 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 1996 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 1997 | [40 CFR 60.665] | Permittee shall comply with all the applicable NSPS Subpart NNN alternate standards as indicated in the submittal to EPA and LDEQ dated December 20, 1999. Permittee shall pipe the vent stream directly into the flame zone of the heaters and boilers which complies with the requirements of 40 CFR 60.662(a). |
| 1998 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 1999 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 2000 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.509, 40 CFR 52.21] |

# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## FUG 0041 Unit 50 Fug. - Marine Loading Docks No. 1 & 2 Unit Fugitives

| | | |
|---|---|---|
| 2001 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 2002 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined compliance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648] |

## FUG 0043 Unit 59 Fug. - Flare KO Drum Unit Fugitives

| | | |
|---|---|---|
| 2003 | [40 CFR 63.648(a)] | Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)] |
| 2004 | [40 CFR 63.648(h)] | Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)] |
| 2005 | [40 CFR 63.654(d)] | Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)] |
| 2006 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 2007 | [LAC 33:III.2121] | Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC (CRG004) has been determined to be compliance in accordance with LAC 33:III2121. |

## FUG 0044 Unit 60 Fug. - WWT Facility Unit Fugitives

| | | |
|---|---|---|
| 2008 | [40 CFR 60.592a(a)] | Comply with the requirements of 40 CFR 60.482-1a to 482-10a as soon as practicable, but no later than 180 days after initial startup. Subpart GGGa. [40 CFR 60.592a(a)] |
| 2009 | [40 CFR 60.592a(d)] | Comply with the provisions of 40 CFR 60.485a except as provided in 40 CFR 60.593a. Subpart GGGa. [40 CFR 60.592a(d)] |
| 2010 | [40 CFR 60.592a(e)] | Comply with the provisions of 40 CFR 60.486a and 60.487a. Subpart GGGa. [40 CFR 60.592a(e)] |
| 2011 | [40 CFR 60.692-1-7] | Permittee shall comply with all the applicable requirements of 40 CFR 60, Subpart QQQ for all new drains and closed vent systems. Subpart QQQ. [40 CFR 60.692-1-7, 40 CFR 60.695, 697, 40 CFR 60.698] |
| 2012 | [40 CFR 61.342(e)] | Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)] |
| 2013 | [40 CFR 61.356(a)(4)] | Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357] |
| 2014 | [40 CFR 63.647] | Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.647, 40 CFR 63.654(a)] |
| 2015 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGGa has been determined to be compliance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 52.21, LAC 33:III.509, 40 CFR 60.590, 40 CFR 60.590a] |

## FUG 0045 Unit 65 Fug. - Truck Loading Rack Unit Fugitives

**FUG 0045 Unit 65 Fug. - Truck Loading Rack Unit Fugitives**

| | | |
|---|---|---|
| 2016 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 2017 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

**FUG 0046 Unit 66 Fug. - Refrigerated Butane Storage Unit Fugitives**

| | | |
|---|---|---|
| 2018 | [40 CFR 60.592(a)] | Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)] |
| 2019 | [40 CFR 60.592(d)] | Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)] |
| 2020 | [40 CFR 60.592(e)] | Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)] |
| 2021 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. |
| 2022 | [LAC 33:III.2121] | Compliance with NSPS 40 CFR 60, Subpart GGG (CRG003) has been determined to be compliance in accordance with LAC 33:III.2121. [PSD-LA-719(M-1)]. [LAC 33:III.2121, 40 CFR 60.590, LAC 33:III.509, 40 CFR 52.21] |

**FUG 0048 Unit 56 Fug. - New Distillate Hydrotreater Fugitives**

| | | |
|---|---|---|
| 2023 | [40 CFR 60.692(1-7)] | Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ - Standards of Performance for VOC Emissions From Peetroleum Refinery Wastewater Systems. [40 CFR 60.692(1-7)] |
| 2024 | [40 CFR 63.640] | Complance with all the applicable requirements of Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC; 40 CFR 60, Subpart GGG and LAC 33:III2121. [PSD-LA-719(M-1)]. [40 CFR 60.590, 40 CFR 63.640, LAC 33:III.5109.A, LAC 33:III.2121] |
| 2025 | [LAC 33:III.2111] | Equip all rotary pumps and compressors with mechanical seals. |

**FUG 0080 Unit 36 Fug. - Boiler Feedwater Treating Unit Fugitives**

| | | |
|---|---|---|
| 2026 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

**FUG 0081 Unit 39 Fug. - Plant Water Treatment**

| | | |
|---|---|---|
| 2027 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

**FUG 0082 Unit 41 Fug. - Intermediate Product Unit Fugitives**

| | | |
|---|---|---|
| 2028 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling VOCs having a true vapor pressure greater than 1.5 psia shall be equipped with mechanical seals or equivalent equipment. |



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## SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
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**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

### FUG 0082 Unit 41 Fug. - Intermediate Product Unit Fugitives

| | | |
|---|---|---|
| 2029 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590, 40 CFR 63.648] |

### FUG 0083 Unit 42 Fug. - North Steam Plant

| | | |
|---|---|---|
| 2030 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

### FUG 0084 Unit 63 Fug. - Interconn. Pipeway Unit Fugitives

| | | |
|---|---|---|
| 2031 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling VOCs having a true vapor pressure greater than 1.5 psia shall be equipped with mechanical seals or equivalent equipment. |
| 2032 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590, 40 CFR 63.648] |

### FUG 0085 Unit 64 Fug. - Railroad Racks LPG

| | | |
|---|---|---|
| 2033 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling VOCs having a true vapor pressure greater than 1.5 psia shall be equipped with mechanical seals or equivalent equipment. |
| 2034 | [LAC 33:III.2121] | Shall comply with all the applicable requirements of LAC 33:III.2121 (CRG002). |

### FUG 0086 Unit 67 Fug. - Blending Facilities Unit Fugitives

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| 2035 | [LAC 33:III.2111] | Equip all rotary pumps and compressors handling VOCs having a true vapor pressure greater than 1.5 psia shall be equipped with mechanical seals or equivalent equipment. |
| 2036 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 63.648] |

### FUG 0087 Unit 71 Fug. - Barge Dock No. 3

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|---|---|---|
| 2037 | [LAC 33:III.5109.A] | Compliance with Louisiana Refinery MACT LAC 33:III.5109.A (CRG001) has been determined to be compliance in accordance with 40 CFR 63, Subpart CC - MACT National Emission Standards for Petroleum Refineries, 40 CFR 60, Subpart GGG and LAC 33:III.2121. [LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590, 40 CFR 63.648] |

### GRP 0018 129-95 - Fixed Roof Tanks Cap

### GRP 0018 129-95 - Fixed Roof Tanks Cap

**Group Members:** EQT 0086 EQT 0087 EQT 0088 EQT 0096 EQT 0097 EQT 0098 EQT 0099 EQT 0100 EQT 0101 EQT 0102 EQT 0104 EQT 0105 EQT 0106 EQT 0108 EQT 0109 EQT 0110 EQT 0115 EQT 0116 EQT 0119 EQT 0120 EQT 0121 EQT 0122 EQT 0123 EQT 0135 EQT 0136 EQT 0138 EQT 0141 EQT 0143 EQT 0223 EQT 0224

2038 [LAC 33:III.507.H.1.a] VOC, Total <= 96.00 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if calculated VOC emissions exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: None specified

2039 [LAC 33:III.507.H.1.a] Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions from the Fixed Roof Tanks, Emission Point 129-95 (CAP) based on the throughput of the stored material from all the tanks listed below to no more than 96.00 TPY. The overall VOC emssion of each tank shall be calculated based on tank throughput and material stored and these emissions shall be recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total overall calculated VOC emissions from the tanks above the maxmum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [PSD-LA-719]

Emission Points 26-74, 27-74, 28-74, 36-74, 37-74, 38-74, 39-74, 40-74, 41-74, 42-74, 44-74, 45-74, 46-74, 48-74, 49-74, 50-74, 66-74, 67-74, 72-74, 73-74, 74-74, 75-74, 76-74, 97-80, 98-80, 99-80, 120-91, 126-93, 34-08, and 35-08. [LAC 33:III.507.H.1.a, LAC 33:III.509, 40 CFR 52.21]

### GRP 0019 130-95 - Floating Roof Tanks Cap

**Group Members:** EQT 0103 EQT 0107 EQT 0112 EQT 0113 EQT 0114 EQT 0117 EQT 0118 EQT 0125 EQT 0126 EQT 0127 EQT 0128 EQT 0129 EQT 0237 EQT 0075 EQT 0076 EQT 0077 EQT 0078 EQT 0079 EQT 0080 EQT 0081 EQT 0082 EQT 0083 EQT 0084 EQT 0085 EQT 0089 EQT 0090 EQT 0091 EQT 0092 EQT 0093 EQT 0094 EQT 0095 EQT 0131 EQT 0132 EQT 0133 EQT 0134 EQT 0137 EQT 0139 EQT 0142 EQT 0178 EQT 0225 EQT 0226 EQT 0227 EQT 0228 EQT 0229 EQT 0230 EQT 0231 EQT 0232 EQT 0233 EQT 0236




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## GRP 0019 130-95 - Floating Roof Tanks Cap

2040 [LAC 33:III.507.H.1.a] Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions from the Floating Roof Tanks, Emission Point 130-95 (CAP) based on the throughput of the stored material from all the floating roof tanks listed below to no more than 329.57 TPY. The overall VOC emssion of each tank shall be calculated based on throughput and material stored and these emissions shall be recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total overall calculated VOC emissions from the tanks above the maxmum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement by March 31 for the preceding calendar year. MAP can store any other material in the these tanks provided that the total true vapor pressure of the material is less than 11.1 psia, any individual TAP aggregate plant wide does not increase to be over the minimum emission rate (MER) or the individual TAP emission increase by itself is greater than its MER. [PSD-LA-719]

Emission Points 15-74, 16-74, 17-74, 18-74, 19-74, 20-74, 21-74, 22-74, 23-74, 24-74, 25-74, 29-74, 30-74, 31-74, 32-74, 33-74, 34-74, 35-74, 43-74, 47-74, 63-74, 64-74, 65-74, 68-74, 71-74, 77-74, 78-74, 79-74, 80-74, 90-74, 91-74, 93-80, 94-80, 95-80, 96-80, 119-91, 121-91, 127-93, 3-05, 36-08, 37-08, 38-08, 39-08, 40-08, 41-08, 42-08, 43-08, 44-08, 47-08, and 57-08. [LAC 33:III.507.H.1.a, LAC 33:III.509, 40 CFR 52.21]

2041 [LAC 33:III.507.H.1.a] VOC, Total <= 329.57 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if calculated VOC emissions exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: None specified

## GRP 0020 133-00 - Comb. Srcs Emission CAP

**Group Members:** EQT 0171 EQT 0173 EQT 0179 EQT 0180 EQT 0181 EQT 0182 EQT 0183 EQT 0145 EQT 0146 EQT 0150 EQT 0151 EQT 0152 EQT 0153 EQT 0154 EQT 0156 EQT 0157 EQT 0158 EQT 0166 EQT 0167 EQT 0168 EQT 0169 EQT 0170 EQT 0257 EQT 0258

## GRP 0020 133-00 - Comb. Srcs Emission CAP

2042 [LAC 33:III.507.H.1.a] Permittee shall continuously monitor the heat input to the individual equipment (boilers, heaters, and reboilers) referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment permittee shall calculate emissions for each equipment. The total heat input to all the equipment shall not exceed 3126.33 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the equipment shall not exceed PM10, 84.96 tons per year (TPY); SO2, 150.95 TPY; NOx, 1238.68 TPY; CO, 615.16 TPY; and VOC, 43.95 TPY. Emissions from these equipment shall be reported under an emission cap, Emission Point 133-00. The total heat input and the calculated emissions of the individual equipment shall be recorded each month, as well as the heat input and the total calculated emissions for all the equipment for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Enfrocement Division by March 31 for the preceding calendar year. [PSD-LA-719(M-1)]

Emission Points 1-74A, 1-74B, 5-74, 6-74, 7-74, 8-74, 9-74, 11-74, 12-74, 13-74, 89-74, 92-80, 100-85, 101-85, 102-90, 111-91, 1-00, 1-04, 2-04, 3-04, 1-05, 2-05, 58-08, and 59-08. [LAC 33:III.507.H.1.a, LAC 33:III.509, 40 CFR 52.21]

## GRP 0021 TOC - Thermal Oxidizer No. 1, 2, and 3 CAP

**Group Members:** EQT 0159 EQT 0161 EQT 0174

2043 [LAC 33:III.507.H.1.a] Permittee shall continuously monitor the heat input to the thermal oxidizers referenced in this specific condition. Based on the monitored heat input and individual emission factors for each thermal oxidizer the permittee shall calculate emissions for each thermal oxidizer. The total heat input to all the thermal oxidizers shall not exceed 99.81 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from al the thermal oxidizers shall not exceed PM10, 4.58 tons per year (TPY); SO2, 398.54 TPY; NOx, 45.22 TPY; CO, 16.67 TPY; and VOC, 0.32 TPY. Emissions from the thermal oxidizers shall be reported under an emission cap, Emission Point TOC. The total heat input and the calculated emissions of the individual thermal oxidizer shall be recorded each month, as well as the heat input and the total calculated emissions for all the thermal oxidizers for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total heat input and the calculated emissions from the thermal oxidizers above the maxmum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of each thermal oxidizer and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 14-74, 70-74, and 12-00.

## GRP 0032 25-08 - Sulfur Pits Storage and Loading Cap

**Group Members:** EQT 0238 EQT 0239 EQT 0240 EQT 0241 EQT 0242 EQT 0243 EQT 0246 EQT 0270



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## GRP 0032 25-08 - Sulfur Pits Storage and Loading Cap

2044 [LAC 33:III.507.H.1.a]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated emissions, Emission Point 25-08 (CAP) based on the equipment (sulfur pits, storage and loading) operations listed below to no more than H2S 14.40 tons per year (TPY) and Mercury <0.01 TPY. The overall calculated emissions based on the equipment (sulfur pits, storage and loading) operations shall be recorded each month, as well as the overall calculated emissions based on the equipment (sulfur pits, storage and loading) operations for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total overall calculated emissions from the equipment (sulfur pits, storage and loading) above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated emissions based on the equipment (sulfur pits, storage and loading) operations shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Emission Points 13-00, 26-08, 27-08, 29-08, 51-74, 92-74 and 1-06.

## GRP 0033 MVCC - GME Marine Vapor Combustor Cap

**Group Members: EQT 0048 EQT 0244**

2045 [LAC 33:III.509]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated PM10, SO2, NOx, CO, and VOC emissions, Emission Point MVCC (CAP) based on the marine loading (27.91 MM barrels per year for each combustor on an annual average) from the combustors listed below to no more than PM10, 2.37 tons per year (TPY); SO2, 1.95 TPY; NOx, 63.74 TPY; CO, 26.24 TPY; and VOC, 45.74 TPY. The overall total PM10, SO2, NOx, CO and VOC emission from the combustors shall be calculated based on the marine loading performed and recorded each month, as well as the PM10, SO2, NOx, CO and VOC emissions calculated from the combustors based on the marine loading performed for the last twelve months. These records shall be kept on site and available for inspection by the Department of Environmental Quality personnel. Total overall calculated PM10, SO2, NOx, CO and VOC emissions from the combustors above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated total PM10, SO2, NOx, CO and VOC emissions shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [PSD-LA-719(M-1)]

Emission Points 107-90 and 55-08. [LAC 33:III.509, 40 CFR 52.21]

## UNF 0005 Whole Refinery - Marathon Refinery

2046 [40 CFR 60.692-2(a)(1)] Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

2047 [40 CFR 60.692-2(a)(2)] Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
Which Months: All Year Statistical Basis: None specified

**UNF 0005 Whole Refinery - Marathon Refinery**

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| 2048 | [40 CFR 60.692-2(a)(3)] | Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]<br>Which Months: All Year Statistical Basis: None specified |
| 2049 | [40 CFR 60.692-2(a)(4)] | Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]<br>Which Months: All Year Statistical Basis: None specified |
| 2050 | [40 CFR 60.692-2(a)(5)] | Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)] |
| 2051 | [40 CFR 60.692-2(b)(1)] | Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)] |
| 2052 | [40 CFR 60.692-2(b)(2)] | Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)] |
| 2053 | [40 CFR 60.692-2(b)(3)] | Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]<br>Which Months: All Year Statistical Basis: None specified |
| 2054 | [40 CFR 60.692-2(b)(4)] | Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)] |
| 2055 | [40 CFR 60.692-2(c)(1)] | Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)] |
| 2056 | [40 CFR 60.692-2(c)(2)] | Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]<br>Which Months: All Year Statistical Basis: None specified |
| 2057 | [40 CFR 60.692-2(c)(3)] | Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)] |
| 2058 | [40 CFR 60.692-2(e)] | Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)] |
| 2059 | [40 CFR 60.696(a)] | Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)] |
| 2060 | [40 CFR 60.697(a)] | Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)] |
| 2061 | [40 CFR 60.697(b)] | Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)] |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## UNF 0005 Whole Refinery - Marathon Refinery

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| 2062 | [40 CFR 60.697(e)] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)] |
| 2063 | [40 CFR 60.697(f)] | Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)] |
| 2064 | [40 CFR 60.697(g)] | Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)] |
| 2065 | [40 CFR 60.698(b)(1)] | Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)] |
| 2066 | [40 CFR 60.698(c)] | Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)] |
| 2067 | [40 CFR 60.] | All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. |
| 2068 | [40 CFR 61.145(b)(1)] | Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)] |
| 2069 | [40 CFR 61.148] | Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. |
| 2070 | [40 CFR 61.340] | Comply with all applicable provisions of 40 CFR 61 Subpart FF. |
| 2071 | [40 CFR 61.] | All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. |
| 2072 | [40 CFR 63.] | All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. |
| 2073 | [40 CFR 82.Subpart F] | Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. |
| 2074 | [LAC 33:III.1103] | Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. |
| 2075 | [LAC 33:III.1109.B] | Outdoor burning of waste material or other combustible material is prohibited. |
| 2076 | [LAC 33:III.1303.B] | Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. |
| 2077 | [LAC 33:III.2113.A] | Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. |

**UNF 0005 Whole Refinery - Marathon Refinery**

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| 2078 | [LAC 33:III.219] | Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. |
| 2079 | [LAC 33:III.2901.D] | Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. |
| 2080 | [LAC 33:III.2901.F] | If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. |
| 2081 | [LAC 33:III.509] | Permittee shall comply with all the applicable requirements of the Prevention of Significant Deterioration Permit, Permit No. PSD-LA-719 and all the applicable requirements of the Consent Decree<br><br>. [LAC 33:III.509, 40 CFR 52.21] |
| 2082 | [LAC 33:III.5105.A.1] | Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. |
| 2083 | [LAC 33:III.5105.A.2] | Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. |
| 2084 | [LAC 33:III.5105.A.3] | Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. |
| 2085 | [LAC 33:III.5105.A.3] | Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. |
| 2086 | [LAC 33:III.5105.A.4] | Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. |
| 2087 | [LAC 33:III.5105.A.4] | Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. |
| 2088 | [LAC 33:III.5107.A.2] | Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. |
| 2089 | [LAC 33:III.5107.A.2] | Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. |
| 2090 | [LAC 33:III.5107.A.2] | Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |
| 2091 | [LAC 33:III.5107.A.2] | Emits Class II TAP less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. |



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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

## UNF 0005 Whole Refinery - Marathon Refinery

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| 2092 | [LAC 33:III.5107.A.3] | Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" |
| 2093 | [LAC 33:III.5107.A] | Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. |
| 2094 | [LAC 33:III.5107.B.1] | Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). |
| 2095 | [LAC 33:III.5107.B.1] | Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). |
| 2096 | [LAC 33:III.5107.B.2] | Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. |
| 2097 | [LAC 33:III.5107.B.2] | Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. |
| 2098 | [LAC 33:III.5107.B.3] | Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923. |
| 2099 | [LAC 33:III.5107.B.3] | Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. |

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| 2100 | [LAC 33:III.5107.B.4] | Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. |
| 2101 | [LAC 33:III.5107.B.4] | Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii. |
| 2102 | [LAC 33:III.5107.B.5] | Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. |
| 2103 | [LAC 33:III.5107.B.5] | Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. |
| 2104 | [LAC 33:III.5109.A.1] | Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be xxxxx. |
| 2105 | [LAC 33:III.5109.A] | Monitoring frequency shall be used based on the LA Refinery MACT requirements for the Coker Unit and the GDU. Percent leak performance shall be caluculated using the provisions of LA Refinery MACT. Annual monitoring shall be defined as once in every four quarters. VOTAP monitored by visual inspection/determination at the approved frequency.<br>Which Months: All Year Statistical Basis: Quarterly average |
| 2106 | [LAC 33:III.5109.A] | Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.<br>Which Months: All Year Statistical Basis: None specified |
| 2107 | [LAC 33:III.5109.A] | The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. |




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# SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

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| 2108 | [LAC 33:III.5109.C] | Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ. |
| 2109 | [LAC 33:III.5113.A.1] | Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. |
| 2110 | [LAC 33:III.5113.A.2] | Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. |
| 2111 | [LAC 33:III.5113.C.1] | Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. |
| 2112 | [LAC 33:III.5113.C.7] | Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. |
| 2113 | [LAC 33:III.5151.F.1.f] | An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. |
| 2114 | [LAC 33:III.535] | Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537] |
| 2115 | [LAC 33:III.5609.A.1.b] | Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. |
| 2116 | [LAC 33:III.5609.A.2.b] | Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. |
| 2117 | [LAC 33:III.5609.A.3.b] | Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. |
| 2118 | [LAC 33:III.5609.A] | Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. |
| 2119 | [LAC 33:III.5901.A] | Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. |
| 2120 | [LAC 33:III.5907] | Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. |
| 2121 | [LAC 33:III.5911.A] | Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. |
| 2122 | [LAC 33:III.5911.C] | Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. |

## SPECIFIC REQUIREMENTS

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**
**Activity Number: PER20080033**
**Permit Number: 2580-00013-V0**
**Air - Title V Regular Permit Renewal**

**UNF 0005 Whole Refinery - Marathon Refinery**

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| 2123 | [LAC 33:III.905] | Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. |
| 2124 | [LAC 33:III.913] | Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. |
| 2125 | [LAC 33:III.917.A] | Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. |
| 2126 | [LAC 33:III.917.B] | No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. |
| 2127 | [LAC 33:III.919.D] | Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. |
| 2128 | [LAC 33:III.927] | Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:I.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. |
| 2129 | [LAC 33:III.929.A] | No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. |