STATE OF MISSISSIPPI
AIR POLLUTION CONTROL
TITLE V PERMIT

TO OPERATE AIR EMISSIONS EQUIPMENT

THIS CERTIFIES THAT

Chevron Products Company, Pascagoula Refinery
250 Industrial Road
Pascagoula, Mississippi
Jackson, County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with Title V of the Federal Clean Air Act (42 U.S.C.A. § 7401 - 7671) and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Permit Issued: October 1, 2009

Modified: January 31, 2011; JAN 15 2014

Effective Date: As specified herein.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD

AUTHORIZED SIGNATURE
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Expires: September 30, 2014 **Permit No.: 1280-00058**

2299 PER20130002

TABLE OF CONTENTS

SECTION 1. GENERAL CONDITIONS

1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Federal Act and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(a).)

2. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(b).)

3. This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(c).)

4. This permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(d).)

5. The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permittee or, for information to be confidential, the permittee shall furnish such records to DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(6)(e).)

6. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(5).)

7. The permittee shall pay to the DEQ an annual permit fee. The amount of fee shall be determined each year based on the provisions of regulated pollutants for fee purposes and the fee schedule specified in the Commission on Environmental Quality's order which shall be issued in accordance with the procedure outlined in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 6..

    (a) For purposes of fee assessment and collection, the permittee shall elect for actual or allowable emissions to be used in determining the annual quantity of emissions unless the Commission determines by order that the method chosen by the applicant for calculating actual emissions fails to reasonably represent actual emissions. Actual emissions shall be calculated using emission monitoring data

or direct emissions measurements for the pollutant(s); mass balance calculations such as the amounts of the pollutant(s) entering and leaving process equipment and where mass balance calculations can be supported by direct measurement of process parameters, such direct measurement data shall be supplied; published emission factors such as those relating release quantities to throughput or equipment type (e.g., air emission factors); or other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgments where such judgments are derived from process and/or emission data which supports the estimates of maximum actual emission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).)

(b) If the Commission determines that there is not sufficient information available on a facility's emissions, the determination of the fee shall be based upon the permitted allowable emissions until such time as an adequate determination of actual emissions is made. Such determination may be made anytime within one year of the submittal of actual emissions data by the permittee. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.A(2).) If at any time within the year the Commission determines that the information submitted by the permittee on actual emissions is insufficient or incorrect, the permittee will be notified of the deficiencies and the adjusted fee schedule. Past due fees from the adjusted fee schedule will be paid on the next scheduled quarterly payment time. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D(2).)

(c) The fee shall be due September 1 of each year. By July 1 of each year the permittee shall submit an inventory of emissions for the previous year on which the fee is to be assessed. The permittee may elect a quarterly payment method of four (4) equal payments; notification of the election of quarterly payments must be made to the DEQ by the first payment date of September 1. The permittee shall be liable for penalty as prescribed by State Law for failure to pay the fee or quarterly portion thereof by the date due. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.D.)

(d) If in disagreement with the calculation or applicability of the Title V permit fee, the permittee may petition the Commission in writing for a hearing in accordance with State Law. Any disputed portion of the fee for which a hearing has been requested will not incur any penalty or interest from and after the receipt by the Commission of the hearing petition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.6.C.)

8. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(8).)

9. Any document required by this permit to be submitted to the DEQ shall contain a certification by a responsible official that states that, based on information and belief

formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.2.E.)

10. The permittee shall allow the DEQ, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to perform the following:
    (a) Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;

    (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

    (c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

    (d) As authorized by the Federal Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(2).)

11. Except as otherwise specified or limited herein, the permittee shall have necessary sampling ports and ease of accessibility for any new air pollution control equipment, obtained after May 8, 1970, and vented to the atmosphere. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(1).)

12. Except as otherwise specified or limited herein, the permittee shall provide the necessary sampling ports and ease of accessibility when deemed necessary by the Permit Board for air pollution control equipment that was in existence prior to May 8, 1970. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.I(2).)

13. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance where such applicable requirements are included and are specifically identified in the permit or where the permit contains a determination, or summary thereof, by the Permit Board that requirements specifically identified previously are not applicable to the source. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(1).)

14. Nothing in this permit shall alter or affect the following:

    (a) The provisions of Section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section;

    (b) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

(c) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Federal Act;

(d) The ability of EPA to obtain information from a source pursuant to Section 114 of the Federal Act. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.F(2).)

15. The permittee shall comply with the requirement to register a Risk Management Plan if permittee's facility is required pursuant to Section 112(r) of the Act to register such a plan. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.H.)

16. Expiration of this permit terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. A timely application is one which is submitted at least six (6) months prior to expiration of the Title V permit. If the permittee submits a timely and complete application, the failure to have a Title V permit is not a violation of regulations until the Permit Board takes final action on the permit application. This protection shall cease to apply if, subsequent to the completeness determination, the permittee fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.C(2)., R. 6.4.B., and R. 6.2.A(1)(c).)

17. The permittee is authorized to make changes within their facility without requiring a permit revision (Ref: Section 502(b)(10) of the Act) if:

(a) The changes are not modifications under any provision of Title I of the Act;

(b) The changes do not exceed the emissions allowable under this permit;

(c) The permittee provides the Administrator and the Department with written notification in advance of the proposed changes (at least seven (7) days, or such other time frame as provided in other regulations for emergencies) and the notification includes:

(1) A brief description of the change(s),

(2) The date on which the change will occur,

(3) Any change in emissions, and

(4) Any permit term or condition that is no longer applicable as a result of the change;

(d) The permit shield shall not apply to any Section 502(b)(10) change. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.F(1).)

18. Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in

accordance with the permittee's previously approved Emissions Reduction Schedule or, in the absence of an approved schedule, with the appropriate requirements specified in Regulation 11 Miss. Admin. Code Pt. 2, Ch. 3., "Regulations for the Prevention of Air Pollution Emergency Episodes" for the level of emergency declared. (Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 3.)

19. Except as otherwise provided herein, a modification of the facility may require a Permit to Construct in accordance with the provisions of Regulations 11 Miss. Admin. Code Pt. 2, Ch. 2., "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment", and may require modification of this permit in accordance with Regulations 11 Miss. Admin. Code Pt. 2, Ch. 6., "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act". Modification is defined as "[a]ny physical change in or change in the method of operation of a facility which increases the actual emissions or the potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:

    (a) Routine maintenance, repair, and replacement;

    (b) Use of an alternative fuel or raw material by reason of an order under Sections 2 (a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;

    (c) Use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;

    (d) Use of an alternative fuel or raw material by a stationary source which:

        (1) The source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or
        (2) The source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166;

    (e) An increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or

    (f) Any change in ownership of the stationary source."

20. Any change in ownership or operational control must be approved by the Permit Board. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.4.D(4).)

21. This permit is a federally approved operating permit under Title V of the Federal Clean Air Act as amended in 1990. All terms and conditions, including any designed to limit the source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act as well as the Commission. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.B(1).)

22. Except as otherwise specified or limited herein, the open burning of residential, commercial, institutional, or industrial solid waste, is prohibited. This prohibition does not apply to infrequent burning of agricultural wastes in the field, silvicultural wastes for forest management purposes, land-clearing debris, debris from emergency clean-up operations, and ordnance. Open burning of land-clearing debris must not use starter or auxiliary fuels which cause excessive smoke (rubber tires, plastics, etc.); must not be performed if prohibited by local ordinances; must not cause a traffic hazard; must not take place where there is a High Fire Danger Alert declared by the Mississippi Forestry Commission or Emergency Air Pollution Episode Alert imposed by the Executive Director and must meet the following buffer zones.

    (a) Open burning without a forced-draft air system must not occur within 500 yards of an occupied dwelling.

    (b) Open burning utilizing a forced-draft air system on all fires to improve the combustion rate and reduce smoke may be done within 500 yards of but not within 50 yards of an occupied dwelling.

    (c) Burning must not occur within 500 yards of commercial airport property, private air fields, or marked off-runway aircraft approach corridors unless written approval to conduct burning is secured from the proper airport authority, owner or operator. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.G.)

23. Except as otherwise specified herein, the permittee shall be subject to the following provision with respect to emergencies.

    (a) Except as otherwise specified herein, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.

(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:

(1) An emergency occurred and that the permittee can identify the cause(s) of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The permittee submitted notice of the emergency to the DEQ within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.G.)

24. Except as otherwise specified herein, the permittee shall be subject to the following provisions with respect to upsets, startups, shutdowns and maintenance.

(a) Upsets as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.KK.;

(1) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows:

(i) An upset occurred and that the permittee can identify the cause(s) of the upset;

(ii) The source was at the time being properly operated;

(iii) During the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;

(iv) The permittee submitted notice of the upset to the DEQ within 5 working days of the time the upset began; and

(v) The notice of the upset shall contain a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.

(2) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

(3) This provision is in addition to any upset provision contained in any applicable requirement.

(b) Startups and Shutdowns (as defined by 11 Miss. Admin. Code Pt. 2, R. 1.2.HH. & R. 1.2.CC.).

(1) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows:

(i) When sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above;

(ii) When a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or

(iii) When the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.

(2) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.

(3) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply.

(c) Maintenance.

(1) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following:

(i) The permittee can identify the need for the maintenance;

(ii) The source was at the time being properly operated;

(iii) During the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit;

(iv) The permittee submitted notice of the maintenance to the DEQ within 5 working days of the time the maintenance began or such other times as allowed by DEQ; and

(v) The notice shall contain a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.

(2) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.

(3) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

25. The permittee shall comply with all applicable standards for demolition and renovation activities pursuant to the requirements of 40 CFR Part 61, Subpart M, as adopted by reference in Regulation 11 Miss Admin. Code Pt. 2, R. 1.8. The permittee shall not be required to obtain a modification of this permit in order to perform the referenced activities.

SECTION 2. EMISSION POINTS & POLLUTION CONTROL DEVICES

Emission Point (Chevron ID)	Description
AC-000	**General Plant**
AC-002	Facility Wastewater (Consisting of Petroleum Refinery Process Unit (PRPU) wastewater as defined in §63.641; Chemical Manufacturing Process Unit (CMPU) wastewater as defined in §63.101; Benzene wastewater as defined in §61. 341).
AC-003	Equipment Leaks.
AC-004	Site Remediation.
AD-000	**Plant 10 Olefin Splitter**
AD-001	Plant 10 Equipment Leaks.
AD-002	Plant 10 Wastewater.
AD-036 (C-1000)	Distillation Process Vent routed to the Fuel Gas System.
AD-060 (D-1070)	Relief Drum Process Vent controlled by a flare.
AE-000	**Plant 11 Crude I**
AE-001	Plant 11 Equipment Leaks.
AE-002	Plant 11 Wastewater.
AE-004 (E-1110)	Crude I Cooling Tower equipped with high-efficiency drift eliminators. This cooling tower further cools water from the No. 1 Cooling Tower (Emission Point AU-360).
AE-013 (F-1102, F-1101)	Two Common Stacks (611.6 MMBTU/hr Total) for the Vacuum Column Furnace (F-1102) with waste heat recovery system, has a rated capacity of 231 MMBTU/hr, and burns refinery fuel gas[1] (Formerly AA-011), and the Atmospheric Column Furnace (F-1101) with a waste heat recovery system has a rated capacity of 380.6 MMBTU/hr and burns refinery fuel gas[1] (Formerly AA-012).
AE-082 (D-1122)	Relief Drum Process Vent controlled by a flare.
AE-200 (C18200)	4,000 Gallon Organic Liquid (EC2472A) Tank.
AE-202 (C18202)	1,500 Gallon Organic Liquid (EC1010A) Tank.
AF-000	**Plant 12/13 Isomax (ISO) I**
AF-001	Plant 12/13 Equipment Leaks.
AF-002	Plant 12/13 Wastewater.
AF-021 (F-1201, F-1301, F-1302)	Common Stack (125 MMBTU/hr Total) for one Process Heater with a rated capacity of 90 MMBTU/hr and two Process Heaters with individual rated capacities of 17.5 MMBTU/hr. The process heaters burn refinery fuel gas[1] only. (Formerly AA-021)
AF-024 (F-1304)	Process Heater with a rated capacity of 100 MMBTU/hr. The process heater burns refinery fuel gas[1] only. (Formerly AA-024)
AF-025 (F-1305)	Process Heater with a rated capacity of 140 MMBTU/hr. The process heater burns refinery fuel gas[1] only. (Formerly AA-025)
AF-026 (F-1306)	Process Heater with a rated capacity of 40 MMBTU/hr. The process heater burns refinery fuel gas[1] only. (Formerly AA-026)
AF-098 (D-1307)	Relief Drum Process Vent controlled by a flare.

Emission Point (Chevron ID)	Description
AG-000	**Plant 15 Rheniformer I/ Naphtha Hydrotreater (NHT) I**
AG-001	Plant 15 Equipment Leaks.
AG-002	Plant 15 Wastewater.
AG-004 (D-1504)	3,000 Gallon Organic Liquids (Perchloroethylene) Tank.
AG-041 (F-1531)	NHT I Feed Pre-heater with a rated capacity of 65 MMBTU/hr. The process heater burns refinery fuel gas[1] only. (Formerly AA-041)
AG-042 (F-1532)	NHT I Desulfurizer Reboiler with a rated capacity of 42 MMBTU/hr. The reboiler burns refinery fuel gas[1] only. (Formerly AA-042)
AG-043 (F-1501, F-1502, F-1503)	Common Stack for three (3) Rheniformer I Process Furnaces a total combined rated capacity of 545 MMBTU/hr. The furnaces burn refinery fuel gas[1] only. (Formerly AA-043)
AG-063 (D-1502)	Relief Drum Process Vent controlled by a flare.
AG-064 (15-PC-309)	Rhen I Regen Vent for Semi-regenerative Catalytic Reformer Reactors R-1501/1502/1503 venting during catalyst regeneration.
AH-000	**Plant 16 Fluidized-bed Catalytic Cracking (FCC)**
AH-001	Plant 16 Equipment Leaks.
AH-002	Plant 16 Wastewater.
AH-051 (F-1603)	FCC Catalyst Regenerator with an 81.4 MMBTU/hr start-up air preheat furnace (Formerly AA-053), equipped with an electrostatic precipitator (K-1603). (Formerly AA-051)
AH-052 (F-1601)	Feed Furnace with a rated capacity of 165 MMBTU/hr and equipped with Ultra-low-NO_x burners. The furnace burns refinery fuel gas[1] only. (Formerly AA-052)
AH-071 (D-1635)	Relief Drum Process Vent controlled by a flare.
AI-000	**Plant 17 Alkylation I**
AI-001	Plant 17 Equipment Leaks.
AI-002	Plant 17 Wastewater.
AI-076 (D-1791)	Relief Drum Process Vent controlled by a flare.
AJ-000	**Plant 18 Treaters I**
AJ-001	Plant 18 Equipment Leaks.
AJ-002	Plant 18 Wastewater.
AJ-053 (T-1853)	6,000 Gallon Organic Liquid (Fuel Oil Additive No. 6) Tank.
AJ-086 (D-1890)	Relief Drum Process Vent controlled by a flare.
AJ-087 (R-1861A)	Merox Reactor Vent A.
AJ-088 (R-1861B)	Merox Reactor Vent B.
AK-000	**Plant 20 Light Ends Recovery (LER) I**
AK-001	Plant 20 Equipment Leaks.
AK-002	Plant 20 Wastewater.
AK-079 (D-2059)	Relief Drum Process Vent controlled by a flare.

Emission Point (Chevron ID)	Description
AL-000	**Plant 21 Boiler Plant (Includes N2 Plant)**
AL-104 (F-2101)	Boiler with a rated capacity of 265 MMBTU/hr and is equipped with Ultra-Low NO_x Burners. The boiler burns refinery fuel gas[1] and natural gas.
AL-105 (F-2102)	Boiler with a rated capacity of 265 MMBTU/hr and is equipped with Ultra-Low NO_x Burners. The boiler burns refinery fuel gas[1] and natural gas.
AL-106 (F-2103)	Boiler with a rated capacity of 265 MMBTU/hr and is equipped with Ultra-Low NO_x Burners. The boiler burns refinery fuel gas[1] and natural gas.
AM-000	**Plant 22 Hydrofiner**
AM-001	Plant 22 Equipment Leaks.
AM-002	Plant 22 Wastewater.
AM-093 (D-2210)	Relief Drum Process Vent controlled by a flare.
AM-111 (F-2201)	Process Heater with a rated capacity of 48 MMBTU/hr. The heater burns refinery fuel gas[1] only. (Formerly AA-111)
AN-000	**Plant 24 Aromax**
AN-001	Plant 24 Equipment Leaks (Petroleum Refinery Process Units).
AN-002	Plant 24 Equipment Leaks (Chemical Manufacturing Process Units)
AN-003	Chemical Manufacturing Process Units (CMPU's) as defined in §63.101 — Maintenance Wastewater.
AN-004	Plant 24 NHT Process Wastewater.
AN-005 AN-006	Plant 24 Aromax Process Wastewater. Plant 24 Heat Exchanger Systems (Chemical Manufacturing Process Units)
AN-015 (D-2467)	Spill Containment Tank with a closed vent system controlled by a carbon canister.
AN-016 (P-2461)	Oily Water Sewer Fixed-roof Sump with a closed-vent system and controlled by a carbon canister.
AN-097 (D-2406)	Relief Drum Process Vent controlled by a flare.
AN-098 (C-2440)	SOCMI Distillation Column Reflux Drum Vent routed to the fuel gas system.
AN-099 (C-2450, C-2460, C-2470, C-2480, C-2490)	SOCMI Distillation Column Reflux Drum Vents controlled by a flare. (Note: C-2470 Overhead is routed to C-2480 then to AN-097(D-2406))
AN-404 (R-2430, R-2440, R-2450, R-2460, R-2470, R-2480, R-2490)	SOCMI Reactor Vents routed to distillation columns, to the fuel gas system, or controlled by a flare.
AN-405 (R-2465)	SOCMI Reactor Vents routed to distillation columns or controlled by a flare.
AN-426 (R-2410)	Reactor Vent routed to the fuel gas system or controlled by a flare.
AN-427 (C-2420)	Distillation Column Reflux Drum Vent routed to the fuel gas system or controlled by a flare.
AN-470 (E-2470)	Aromax Cooling Tower (There are no applicable requirements for the cooling tower; however emissions are greater than the insignificant threshold for VOC.)

Emission Point (Chevron ID)	Description
AN-752 (F-2410)	Naphtha Hydrotreater furnace with a rated capacity of 39.2 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-752)
AN-753 (F-2440, F-2450, F-2460, F-2470, F-2480, F-2490)	Common Stack for six (6) furnaces with a total rated capacity of 550 MMBTU/hr. The furnaces burn refinery fuel gas[1]. (Formerly AA-753)
AO-000	**Plant 27 H_2S II, Sulfur Recovery Units (SRU) II & III**
AO-001	Plant 27 Equipment Leaks.
AO-002	Plant 27 Wastewater.
AO-004 (F-2745)	SRU II Tail Gas Vent controlled by a shared SCOT unit and a thermal oxidizer (Formerly AA-131) with a rated capacity of 30.8 MMBTU/hr. The oxidizer also controls emissions from the sulfur pit. The oxidizer burns natural gas and flash gas.
AO-005 (F-2765)	SRU III Tail Gas Vent controlled by a shared SCOT unit and a thermal oxidizer (Formerly AA-141) with a rated capacity of 30.8 MMBTU/hr. The oxidizer also controls emissions from the sulfur pit. The oxidizer burns natural gas and flash gas.
AO-013 (C-2726)	Relief Caustic Scrubber Vent controlled by a flare.
AO-020 (T-2720)	16,800 Gallon, Fixed Roof, Fresh DEA Tank.
AO-021 (T-2721)	37,800 Gallon, Fixed Roof, Wet DEA Tank
AO-198 (T-198)	4,620,000 Gallon, External Floating Roof, H_2S (Sour Water) Feed Tank. (Formerly part of AA-611)
AP-000	**Plant 29 Ethylbenzene Complex**
AP-001	Plant 29 Equipment Leaks — Petroleum Refinery Process Units (PRPU).
AP-002	Plant 29 Equipment Leaks — Chemical Manufacturing Process Units (CMPU).
AP-003	CMPU's as defined in §63.101 — Maintenance Wastewater.
AP-004	Plant 29 Ethylbenzene Feed Preparation Unit (EBFPU) Process Wastewater.
AP-005	Plant 29 Ethylbenzene Reaction Unit (ERU) Process Wastewater.
AP-006	Plant 29 Heat Exchanger Systems (Chemical Manufacturing Process Units)
AP-018 (D-2980)	Relief Drum Process Vent controlled by a flare.
AP-123 (C-2920)	Ethylbenzene Reaction Unit (ERU) Propane Recovery Vent routed to the fuel gas system. (Formerly AA-123)
AP-124 (F-2930)	Ethylbenzene Reaction Unit (ERU) Reactor Feed Heater with a rated capacity of 37.5 MMBTU/hr. The heater burns natural gas. (Formerly AA-124)
AP-125 (C-2940, C-2950)	SOCMI Distillation Column Vent routed to the fuel gas system. (Formerly AA-125)
AP-225 (R-2930)	SOCMI Reactor Process Vent routed to distillation column. (Note: Vent routed to AP-125 (C-2940))
AQ-000	**Plant 32 Effluent Treating System, Utilities**
AQ-001	Plant 32 Equipment Leaks
AQ-002	Plant 32 Wastewater.
AQ-040	#1 American Petroleum Institute (API) Oil/Water Separator Spiral Lift Vent controlled by a carbon canister.
AQ-041	#1 API Oil/Water Separator Oil Removing Cells controlled by floating roof.
AQ-042	#1 American Petroleum Institute (API) Oil/Water Separator Effluent Vent controlled by a carbon canister.

Emission Point (Chevron ID)	Description
AQ-043	#2 API Oil/Water Separator Spiral Lift Vent controlled by a carbon canister.
AQ-044	#2 API Oil/Water Separator Oil Removing Cells controlled by floating roof.
AQ-045	#2 API Oil/Water Separator Effluent Vent controlled by a carbon canister.
AQ-046	#6 Corrugated Plate Separator Spiral Lift Vent controlled by a carbon canister.
AQ-047	#6 Corrugated Plate Separator Effluent Vent controlled by a carbon canister.
AQ-048	#7 API Oil/Water Separator Spiral Lift Vent controlled by a carbon canister.
AQ-049	#7 API Oil/Water Separator Oil Removing Cells controlled by floating roof.
AQ-050	#7 API Oil/Water Separator Effluent Vent controlled by a carbon canister.
AQ-051	Ballast Induced Air Flotator controlled by a carbon canister.
AQ-052	#7 Separator Induced Air Flotator controlled by a carbon canister.
AQ-054 (P-3207)	Aromax Firewater Pump with a rated capacity of 1.3 MMBTU/hr. The pump burns diesel fuel.
AQ-055 (P-32501)	No. 2 Lagoon Firewater Pump with a rated capacity of 2.11 MMBTU/hr. The pump burns diesel fuel.
AQ-060 (T-3200)	42,000 Gallon, Open Top Chemical Oxygen Demand Wastes Tank.
AQ-061 (T-3201)	42,000 Gallon, Open Top Chemical Oxygen Demand Wastes Tank.
AQ-065 (T-32151)	2,100,000 Gallon, External Floating Roof, South Canal Storm Water Surge Tank.
AQ-066 (T-32152)	2,100,000 Gallon, External Floating Roof, South Canal Storm Water Surge Tank.
AQ-069 (T-32163)	2,900 Gallon Fixed-roof Induced Air Flotation Skim Oil Tank [vent is routed to #7 Separator, AQ-048, AQ-049, AQ-050]
AQ-100 (S-32001)	Raw Effluent Collection Sump controlled by a carbon canister
AQ-110 (T-32110)	7,500,000-Gallon, External Floating Roof, Equalization Tank with Skimmer
AQ-120 (T-32120)	7,500,000-Gallon, External Floating Roof, Equalization Tank with Skimmer
AQ-130 (T-32130)	7,500,000-Gallon, External Floating Roof, Equalization Tank with Skimmer
AQ-154 (T-32154)	2,100,000-Gallon, External Floating Roof, South Canal Storm Water Surge Tank
AQ-200 (T-32200)	Dissolved Nitrogen Flotation (DNF) Unit controlled by a carbon canister
AQ-220 (T-32220)	3,000-Gallon, Fixed Roof, DNF Float Collection Tank controlled by a carbon canister
AQ-250 (T-32250)	DNF Unit controlled by a carbon canister
AQ-300 (T-32300)	DNF Unit controlled by a carbon canister
AQ-390 (T-32390)	3,000-Gallon, Fixed Roof, DNF Bottoms Tank controlled by a carbon canister
AQ-400 (T-32400)	27,000-Gallon, Fixed Roof, DNF Effluent Tank controlled by a carbon canister
AQ-460 (T-32460)	7,017,000-Gallon, Aeration Basin open to the atmosphere
AQ-470 (T-32470)	7,017,000-Gallon, Aeration Basin open to the atmosphere
AQ-3200	Oily Residuals Separation System controlled by a carbon system

Emission Point (Chevron ID)	Description
AQ-3203 (D-3203)	104,000 Gallon Fixed Roof DNF Float/Bottoms Tank controlled by a carbon system
AQ-3204 (D-3204)	104,000 Gallon Fixed Roof DNF Float/Bottoms Tank controlled by a carbon system
AQ-3205 (T-3205)	20,000 Gallon Fixed Roof Slurry Tank controlled by a carbon system
AQ-32201A (P-32201A)	North Side Firewater Pump, diesel engine driven, 422 hp
AQ-32201B (P-32201B)	North Side Firewater Pump, diesel engine driven, 422 hp
AQ-32202A (P-32202A)	North Side Firewater Pump, diesel engine driven, 422 hp
AQ-32202B (P-32202B)	North Side Firewater Pump, diesel engine driven, 422 hp
AQ-32203A (P-32203A)	South Side Firewater Pump, diesel engine driven, 422 hp
AQ-32203B (P-32203B)	South Side Firewater Pump, diesel engine driven, 422 hp
AQ-32204A (P-32204A)	South Side Firewater Pump, diesel engine driven, 422 hp
AQ-32204B (P-32204B)	South Side Firewater Pump, diesel engine driven, 422 hp
AR-000	**Plant 33 Coke Conveyor & Storage**
AR-001	Plant 33 Wastewater. (Formerly part of AA-621)
AR-002	Coke Handling and Storage (Formerly AA-621)
AS-000	**Plant 34 Blending**
AS-001	Plant 34 Wastewater.
AS-002 (DMD-2)	2,000 Gallon Organic Liquids (DMD-2) Tank.
AS-003	Plant 34 Equipment Leaks – Components in Ethanol Service
AS-004	Area 13 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AS-005	Area 3 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AS-006	Area 4 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AS-007	Area 9 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AS-008	Plant 34 Equipment Leaks — Petroleum Refinery Process Units (PRPU).
AS-009	Plant 34 Equipment Leaks – Chemical Manufacturing Process Units (CMPU)
AS-010	Eight (8) Temporary Cooling Towers for the High Sulfur Fuel Oil Blending Project. The cooling towers will be located in the Black Oil Storage Area of the plant. The cooling towers are equipped with high-efficiency drift eliminators to reduce particulate emissions and have a total capacity of 28,800 gallons per minute (gpm) of cooling water.
AS-014 (D-34416)	Area 8 Relief Drum Vent from Liquefied Petroleum Gas Plant controlled by a Flare.
AS-019 (P-34766)	Plant 34 North Tankfield Firewater Booster Pump with a rated capacity of 1.87 MMBTU/hr. The pump burns diesel fuel.

Emission Point (Chevron ID)	Description
AS-029 (T-29)	28,686 Gallon, Internal Floating Roof, Chemical Tank.
AS-030 (T-30)	29,644 Gallon, Internal Floating Roof, Chemical Tank. (Formerly part of AA-150)
AS-032 (T-32)	22,233 Gallon, Internal Floating Roof, Chemical Tank. (Formerly part of AA-150)
AS-033 (T-33)	22,233 Gallon, Internal Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-035 (T-35)	27,071 Gallon, Fixed Roof and Internal Floating Roof, Methanol Tank. (Formerly part of AA-150)
AS-070 (T-70)	114,324 Gallon, Fixed Roof and Internal Floating Roof, Cresylics Tank. (Formerly part of AA-150)
AS-071 (T-71)	297,192 Gallon, Fixed Roof and Internal Floating Roof, Cresylics Tank. (Formerly part of AA-150)
AS-072 (T-72)	227,598 Gallon, Fixed Roof, Sulfides Tank. (Formerly part of AA-150)
AS-073 (T-73)	226,254 Gallon, Fixed Roof and Internal Floating Roof, Sulfides, Naphthenics Tank. (Formerly part of AA-150)
AS-075 (T-75)	702,534 Gallon, Fixed Roof, Sulfides, Naphthenics Tank. (Formerly part of AA-150)
AS-076 (T-76)	696,696 Gallon, Fixed Roof, Sulfides, Naphthenics Tank. (Formerly part of AA-150)
AS-085 (C19485)	6,000 Gallon Organic Liquids (Flo-Mor EC5375A) Tank.
AS-101 (T-101)	4,538,814 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-102 (T-102)	4,534,950 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-103 (T-103)	4,498,410 Gallon, External Floating Roof, Xylenes Tank. (Formerly part of AA-150)
AS-104 (T-104)	4,657,296 Gallon, External Floating Roof, Multi-purpose tank (Heavy Liquids or Sour Water Tank). (Formerly part of AA-150)
AS-111 (T-111)	4,539,654 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-112 (T-112)	4,544,694 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-113 (T-113)	4,535, 034 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-114 (T-114)	4,652,802 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-120 (T-120)	4,546,374 Gallon, External Floating Roof, Jet or Heavy Liquids Tank. (Formerly part of AA-150)
AS-121 (T-121)	4,425,918 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-122 (T-122)	4,425,624 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-123 (T-123)	4,535,958 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-124 (T-124)	4,545,660 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AS-130 (T-130)	4,547,214 Gallon, External Floating Roof, Multi-purpose tank (Heavy Liquids or Sour Water). (Formerly part of AA-150)
AS-131 (T-131)	4,425,960 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-132 (T-132)	4,425,078 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-133 (T-133)	4,545,870 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-134 (T-134)	4,545,828 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-140 (T-140)	6,730,794 Gallon, External Floating Roof, Multi-purpose tank (Gasoline Tank or Sour Water Tank). (Formerly part of AA-150)
AS-141 (T-141)	6,702,906 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-142 (T-142)	3,410,400 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Gasoline Tank. (Formerly part of AA-150)
AS-143 (T-143)	2,243,724 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-144 (T-144)	2,717,904 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly part of AA-150)
AS-150 (T-150)	6,729,072 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-151 (T-151)	6,729,198 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-152 (T-152)	3,403,092 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-153 (T-153)	2,716,056 Gallon, Fixed Roof and Internal Floating Roof, Toluene Tank. (Formerly part of AA-150)
AS-154 (T-154)	2,696,232 Gallon, Fixed Roof and Internal Floating Roof, Iso Octene Tank. (Formerly part of AA-150)
AS-160 (T-160)	4,533,186 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-161 (T-161)	3,410,148 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-162 (T-162)	3,409,140 Gallon, Domed External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-163 (T-163)	2,711,562 Gallon, External Floating Roof, Crystallizer Feed Tank. (Formerly part of AA-150)
AS-164 (T-164)	1,360,044 Gallon, External Floating Roof, Toluene/Mogas Blend Tank. (Formerly part of AA-150)
AS-165 (T-165)	1,353,114 Gallon, Domed External Floating Roof (Internal Floating Roof), Toluene/Mogas Blend Tank. (Formerly part of AA-150)
AS-170 (T-170)	4,533,690 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-171 (T-171)	3,409,728 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-172 (T-172)	3,410,484 Gallon, External Floating Roof, Multi-purpose Tank (Light Liquids or Sour Water. (Formerly part of AA-150)
AS-173 (T-173)	2,718,114 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AS-174 (T-174)	2,718,030 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-175 (T-175)	1,498,098 Gallon, Fixed Roof and Internal Floating Roof, Ethanol Tank. (Formerly part of AA-701)
AS-180 (T-180)	1,356,306 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly AA-150)
AS-181 (T-181)	1,356,516 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly AA-150)
AS-182 (T-182)	2,720,088 Gallon, External Floating Roof, Ballast Tank. (Formerly AA-150)
AS-183 (T-183)	6,679,974 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-184 (T-184)	8,962,380 Gallon, External Floating Roof, Multi-purpose Tank (Gasoline Tank or Sour Water Tank). (Formerly part of AA-150)
AS-190 (T-190)	709,968 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly part of AA-150)
AS-191 (T-191)	912,408 Gallon, External Floating Roof, Sour Water Tank. (Formerly part of AA-150)
AS-192 (T-192)	912,534 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly part of AA-150)
AS-193 (T-193)	912,576 Gallon, External Floating Roof, Sour Water Tank. (Formerly part of AA-150)
AS-194 (T-194)	6,678,504 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-195 (T-195)	4,646,712 Gallon, External Floating Roof, Gasoline/ Gasoline Components Tank. (Formerly part of AA-150)
AS-196 (T-196)	4,352,460 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-200 (T-200)	63,211 Gallon, External Floating Roof Heavy Liquids Tank,
AS-204 (T-204)	4,400,172 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3437). (Formerly part of AA-150)
AS-205 (T-205)	157,182 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3439).
AS-210 (T-210)	4,391,898 Gallon, External Floating Roof Heavy Liquids Tank, (Formerly part of AA-150)
AS-211 (T-211)	106,065 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3436).
AS-212 (T-212)	104,241 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3437).
AS-213 (T-213)	105,286 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3437).
AS-214 (T-214)	157,612 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3439).
AS-220 (T-220)	6,595,092 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-300 (T-300)	4,527,600 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-301 (T-301)	3,333,078 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AS-302 (T-302)	3,357,060 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-303 (T-303)	3,398,010 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Gasoline Tank. (Formerly part of AA-150)
AS-304 (T-304)	2,695,266 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-305 (T-305)	1,358,070 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Gasoline Tank. (Formerly part of AA-150)
AS-310 (T-310)	4,492,110 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-311 (T-311)	4,525,794 Gallon, External Floating Roof, Gasoline Tank (Formerly part of AA-150)
AS-312 (T-312)	3,404,562 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-313 (T-313)	3,398,640 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Gasoline Tank. (Formerly part of AA-150)
AS-314 (T-314)	2,715,510 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-315 (T-315)	2,681,616 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-316 (T-316)	693,714 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-320 (T-320)	4,527,600 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-321 (T-321)	4,519,284 Gallon, External Floating Roof, Gasoline Tank (Formerly part of AA-150)
AS-322 (T-322)	6,435,030 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-323 (T-323)	6,680,772 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-324 (T-324)	11,122,776 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-331 (T-331)	4,451,160 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-332 (T-332)	6,805,302 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-333 (T-333)	6,800,766 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AS-340 (T-340)	2,664,648 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Benzene Tank. (Formerly AA-758)
AS-341 (T-341)	2,707,866 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Benzene Tank. (Formerly AA-760)
AS-342 (T-342)	2,705,766 Gallon, Fixed Roof and External Floating Roof (Internal Floating Roof), Benzene Tank. (Formerly AA-761)
AS-350 (T-350)	2,719,122 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-351 (T-351)	2,714,292 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-352 (T-352)	1,352,442 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AS-353 (T-353)	1,331,484 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-355 (T-355)	11,131,764 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-360 (T-360)	4,424,700 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-361 (T-361)	4,410,042 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-370 (T-370)	2,683,296 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-371 (T-371)	2,679,054 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-372 (T-372)	1,322,412 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-373 (T-373)	11,253,312 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-374 (T-374)	11,216,478 Gallon, External Floating Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AS-392 (D-3422)	Aviation Mix/Tetraethyl Lead Wash Drum.
AS-400 (T-400)	11,216,478 Gallon, External Floating Roof, Crude or Recovered Oil Tank. (Formerly part of AA-150)
AS-401 (T-401)	11,243,778 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AS-402 (T-402)	11,236,302 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AS-403 (T-403)	11,207,154 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AS-404 (T-404)	11,252,892 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AS-405 (T-405)	11,162,928 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AS-499 (T-499)	7,671,468 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-611)
AS-500 (T-500)	2,791,110 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-611)
AS-501 (T-501)	5,070,072 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-611)
AS-502 (T-502)	7,478,352 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3435A). (Formerly part of AA-611)
AS-503 (T-503)	7,477,512 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3435A). (Formerly part of AA-611)
AS-504 (T-504)	5,005,182 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3435A). (Formerly part of AA-611)
AS-505 (T-505)	7,430,640 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3435A). (Formerly part of AA-611)
AS-506 (T-506)	7,478,352 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3434A). (Formerly part of AA-611)
AS-507 (T-507)	7,480,242 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3434A). (Formerly part of AA-611)

Emission Point (Chevron ID)	Description
AS-508 (T-508)	13,394,010 Gallon, Fixed Roof, Heavy Liquids Tank, controlled by Sulfatreat System (D-3434A). (Formerly part of AA-611)
AT-000	**Plant 35 Pipeways**
AT-001	Plant 35 Wastewater.
AT-004	Plant 35 Equipment Leaks – Petroleum Refinery Process Units (PRPU).
AT-005	Plant 35 Equipment Leaks – Chemical Manufacturing Process Units (CMPU).
AU-000	**Plant 36 Cooling Water System**
AU-001	Plant 36 Wastewater.
AU-360 (E-3601)	No. 1 Cooling Tower.
AU-361 (E-36101)	No. 2 Cooling Tower
AU-362 (E-36401)	No. 3 Cooling Tower.
AV-000	**Plant 37 Acid & Marketing Areas**
AV-001	Plant 37 Fixed-roof Wastewater Storage Sump with a closed-vent system controlled by a carbon canister.
AV-003	Plant 37 Wastewater.
AV-004	Plant 37 Equipment Leaks – Petroleum Refinery Process Units (PRPU).
AV-005	Plant 37 Equipment Leaks – Chemical Manufacturing Process Units (CMPU).
AV-006	Plant 37 Equipment Leaks – Components in Ethanol Service
AV-047 (T-47)	504,084 Gallon, Fixed Roof, Spent Acid Tank.
AV-050 (T-50)	693,336 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-051 (T-51)	693,840 Gallon, External Floating Roof, Xylenes Tank. (Formerly part of AA-150)
AV-052 (T-52)	690,648 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-053 (T-53)	245,070 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-054 (T-54)	247,842 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-055 (T-55)	246,498 Gallon, Domed External Floating Roof (Internal Floating Roof), Heavy Liquids Tank. (Formerly part of AA-150)
AV-056 (T-56)	246,498 Gallon, Domed External Floating Roof, (Internal Floating Roof), Heavy Liquids Tank. (Formerly part of AA-150)
AV-057 (T-57)	244,146 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-058 (T-58)	250,950 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AV-059 (T-59)	248,850 Gallon, Domed External Floating Roof, (Internal Floating Roof), Heavy Liquids Tank. (Formerly part of AA-150)
AV-060 (T-60)	246,666 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-061 (T-61)	250,908 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AV-062 (T-62)	247,464 Gallon, External Floating Roof, Heavy Liquid Tank. (Formerly part of AA-150)
AV-063 (T-63)	247,044 Gallon, External Floating Roof, Gasoline Tank. (Formerly part of AA-150)
AV-080 (T-80)	659,400 Gallon, Fixed Roof and Internal Floating Roof, Ethanol Tank. (Formerly part of AA-150)
AV-122	Paraxylene (PX) Rail Car Loading. (Formerly AA-122)
AV-3701 (D-3701)	35,000 Gallon, Horizontal Fixed Roof, Cellulosic Diesel Tank
AV-3702 (D-3702)	35,000 Gallon Horizontal Fixed Roof, Cellulosic Naphtha Tank with a closed-vent system controlled by a carbon canister.
AW-000	**Plant 38 Flares & Relief System**
AW-001	Plant 38 Wastewater.
AW-004	Plant 38 Equipment Leaks – Petroleum Refining Process Units (PRPU).
AW-005	Plant 38 Equipment Leaks – Chemical Manufacturing Process Units (CMPU).
AW-381 (F-3801)	Flare No. 1. (Formerly AA-381)
AW-382 (F-3802)	Flare No. 2. (Formerly AA-382)
AW-383 (F3803)	Flare No. 3. (Formerly AA-383)
AW-384 (F-3804)	Flare No. 4. (Formerly AA-384)
AW-591 (F-3805)	Flare No. 5. (Formerly AA-591)
AW-592 (F-3806)	Flare No. 6. (Formerly AA-592)
AW-757 (F-3807)	Flare No. 7 – Aromax Flare. (Formerly AA-757)
AX-000	**Plant 40 Light Ends Recovery (LER) II**
AX-001	Plant 40 Equipment Leaks.
AX-002	Plant 40 Wastewater.
AX-082 (D-4064)	Merox Regenerator Vent controlled by furnace BE-211 (F-6101).
AX-083 (D-4090)	Relief Drum Process Vent controlled by a flare.
AY-000	**Plant 42 Utilities, Pascagoula Residuum Conversion Project (PRCP)**
AY-035 (T-4235)	241,793 Gallon, Fixed Roof, Shutdown Water Storage Tank
AY-036 (T-4236)	241,793 Gallon, Fixed Roof, Shutdown Water Storage Tank
AZ-000	**Plant 45 Shipping**
AZ-001	Marine Vessel Loading at Berths 2 – 5 controlled by an absorber with dual vents, MVR-A & MVR-B. (Formerly AA-001 & AA-002, respectively)
AZ-002	Marine Vessel Loading at Berth 6 controlled by an absorber, MVR-C. (Formerly AA-003)

Emission Point (Chevron ID)	Description
AZ-003	Berth 6 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-004	Berth 7 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-005	Berths 2 & 3 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-006	Berths 4 & 5 Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-007	Plant 45 Wastewater.
AZ-008	Plant 45 Equipment Leaks – Petroleum Refining Process Units (PRPU).
AZ-009	Plant 45 Equipment Leaks – Chemical Manufacturing Process Units (CMPU).
AZ-010	Product Dock VRU Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-011 (T-11)	5,827,000 Gallon, External Floating Roof, Paraxylene (PX) or Benzene Product Tank. (Formerly part of AA-152)
AZ-012 (T-12)	5,827,000 Gallon, Internal Floating Roof, Xylenes Tank. (Formerly part of AA-152)
AZ-014 (T-14)	1,527,246 Gallon, Fixed Roof Sulfur Tank controlled by afterburner. (Formerly part of AA-150)
AZ-015 (T-15)	1,527,246 Gallon, Fixed Roof Sulfur Tank controlled by afterburner. (Formerly part of AA-150)
AZ-016	AZ-406 Tank Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-017	AZ-412 Tank Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-018	AZ-422 Tank Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-019	AZ-423 Tank Fixed-roof Wastewater Sump with a closed-vent system controlled by a carbon canister.
AZ-020	Plant 45 Equipment Leaks – Components in Ethanol Service
AZ-021	Plant 45 Equipment Leaks – Organic Liquid Distribution MACT
AZ-047	Berth 1 Spent Acid Loading Vent Stack controlled by a caustic scrubber (D-4570).
AZ-206 (T-206)	8,420,580 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AZ-207 (T-207)	8,380,050 Gallon, Fixed Roof, Heavy Liquids Tank. (Formerly part of AA-150)
AZ-208 (T-208)	16,074,744 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-406 (T-406)	16,417,296 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-407 (T-407)	16,246,608 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-408 (T-408)	16,124,682 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-409 (T-409)	16,394,070 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-412 (T-412)	16,257,906 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)
AZ-422 (T-422)	16,258,032 Gallon, External Floating Roof, Crude Tank. (Formerly part of AA-150)

Emission Point (Chevron ID)	Description
AZ-423 (T-423)	5,121,018 Gallon, External Floating Roof, Recovered Oil Tank. (Formerly part of AA-611)
BB-000	**Plant 53 Paraxylene (PX) Complex**
BB-001	Plant 53 Equipment Leaks Petroleum Refinery Process Units (PRPU).
BB-002	Plant 53 Equipment Leaks Chemical Manufacturing Process Units (CMPU).
BB-003	Chemical Manufacturing Process Units (CMPU's) as defined in §63.101 — Maintenance Wastewater.
BB-004	Plant 53 Isomerization Unit (ISOM) Process Wastewater.
BB-005	Plant 53 Paraxylene (PX) Process Wastewater.
BB-006	Plant 53 Reformate Distillation Unit I (RDU I) Process Wastewater.
BB-007	Plant 53 Heat Exchanger Systems (Chemical Manufacturing Process Units)
BB-031 (D-5351)	RDU I, No. 1 Relief Drum Process Vent controlled by a flare.
BB-032 (D-5352)	PX Unit, No. 2 Relief Drum Process Vent controlled by a flare.
BB-033	ISOM Plant Wastewater Lift Station consisting of a fixed-roof storage tank with a closed-vent system and controlled by a carbon canister.
BB-035	Xylenes Fixed-roof Wastewater Sump with a closed-vent system and controlled by a carbon canister.
BB-070 (T-5370)	34,000 Gallon First Stage Feed, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-071 (T-5371)	15,000 Gallon, First Stage Mother Liquor, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-072 (T-5372)	46,400 Gallon Reslurry, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-073 (T-5373)	11,000 Gallon Second Stage Feed, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-074 (T-5374)	23,000 Gallon Paraxylene (PX) Complex, Fixed-roof PX Product Melt Tank. (Formerly part of AA-127)
BB-075 (T-5375)	11,000 Gallon Second Stage Mother Liquor, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-076 (T-5376)	15,000 Gallon Fixed-roof Filtrate Tank. (Formerly part of AA-127)
BB-077 (T-5377)	15,000 Gallon Paraxylene (PX) Product, Fixed-roof Xylenes Tank. (Formerly part of AA-127)
BB-128 (P-5353)	ELUXYL Firewater Booster Pump with a rated capacity of 1.3 MMBTU/hr. The pump burns diesel fuel. (Formerly AA-128)
BB-163 (F-5327A, F-5327B)	Common Stack (160.8 MMBTU/hr total) for Two Rerun Column Reboiler Furnaces equipped with ultra-low NO_x burners and each has a capacity of 80.4 MMBTU/hr. The furnaces burn refinery fuel gas[1]. (Formerly AA-161 and AA-162)
BB-165 (F-5327C)	Rerun Column Reboiler has a rated capacity of 170 MMBtu/hr equipped with ultra-low-NO_x burners. The reboiler refinery fuel gas[1]. (Formerly AA-165)
BB-170 (C-5320, C-5330, C-5340, C-5360)	Process Vents (Formerly AA-170)
BB-174 (F-5337C)	Raffinate Column Reboiler with a rated capacity of 209.7 MMBTU/hr equipped with ultra-low-NO_x burners. The reboiler burns refinery fuel gas[1]. (Formerly AA-174)
BB-191 (F-5337A)	Raffinate Column Reboiler with a rated capacity of 97.2 MMBTU/hr equipped with ultra-low-NO_x burners. The reboiler burns refinery fuel gas[1]. (Formerly AA-191)

Emission Point (Chevron ID)	Description
BB-192 (F-5337B)	Raffinate Column Reboiler with a rated capacity of 90.8 MMBTU/hr equipped with ultra-low-NO_x burners. The reboiler burns refinery fuel gas[1]. (Formerly AA-192)
BB-193 (F-5380A)	Isomerization (ISOM) Reactor Feed Furnace with a rated capacity of 39.5 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-193)
BB-194 (F-5380B)	Isomerization (ISOM) Reactor Feed Furnace with a rated capacity of 39.5 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-194)
BB-195 (F-5387)	Isomerization (ISOM) Reactor Regenerator Furnace with a rated capacity of 19.3 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-195)
BD-000	**Plant 59 H_2S I**
BD-001	Plant 59 Equipment Leaks.
BD-002	Plant 59 Wastewater and Drain System.
BD-005 (D-5970)	Relief Drum Process Vent controlled by a flare.
BE-000	**Plant 61 Crude II**
BE-001	Plant 61 Equipment Leaks.
BE-002	Plant 61 Wastewater and Drain System.
BE-003	Plant 61 Refinery Fuel Gas System and LER II Offgas System Equipment Leaks
BE-013 (D-6122)	Relief Drum Process Vent controlled by a flare.
BE-201 (C18201)	4,000 Gallon Organic Liquids (EC2472A) Tank.
BE-203 (C18203)	1,000 Gallon Organic Liquids (EC1010A) Tank.
BE-211 (F-6101, F-6102)	Common Stack (600 MMBTU/hr Total) for one Process Heater (F-6101) with a rated capacity of 400 MMBTU/hr (Formerly AA-211) and one Process Heater (F-6102) with a rated capacity of 200 MMBTU/hr (Formerly AA-212), both equipped with ultra low-NO_x burners. For allowable fuels see Section 3.
BF-000	**Plant 62 Isomax (ISO) II**
BF-001	Plant 62 Equipment Leaks.
BF-002	Plant 62 Wastewater and Drain System.
BF-017 (D-6287)	Relief Drum Process Vent controlled by a flare.
BF-221 (F-6210)	1st Stage Feed Furnace with a rated capacity of 55 MMBtu/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-221)
BF-222 (F-6230)	2nd Stage Feed Furnace with a rated capacity of 55 MMBtu/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-222)
BF-223 (F-6250)	Topping Column Heater with a rated capacity of 265 MMBTU/hr equipped with Ultra-Low-NO_x burners. The heater burns refinery fuel gas[1]. (Formerly AA-223)
BF-224 (F-6260)	Isosplitter Heater with a rated capacity of 110 MMBtu/hr. The heater burns refinery fuel gas[1]. (Formerly AA-224)
BG-000	**Plant 63 Reformate Distillation Unit (RDU) II**
BG-001	Plant 63 Equipment Leaks.
BG-002	Plant 63 Wastewater and Drain System.
BH-000	**Plant 64 Hydrogen II**
BH-001	Plant 64 Equipment Leaks.
BH-002	Plant 64 Wastewater and Drain System.

Emission Point (Chevron ID)	Description
BH-035 (C-6450)	Ethylene Glycol Condenser with Methanol Scrubber.
BH-231 (F-6410)	Multiple Stacks, 3 stacks for one Reformer Furnace with a rated capacity of 730 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-231)
BH-232 (KGT-6410)	Natural Gas Turbine with a rated capacity of 217 MMBTU/hr. (Formerly AA-232) [Exhaust is routed to BH-231 as combustion air during normal operation.]
BI-000	**Plant 165 Naphtha Hydrotreater (NHT) II**
BI-001	Plant 165 Equipment Leaks.
BI-002	Plant 165 Wastewater and Drain System.
BI-036 (D-6599)	Relief Drum Process Vent controlled by a flare.
BI-245 (F-6531)	NHT II Process Heater with a rated capacity of 45 MMBTU/hr. The heater burns refinery fuel gas[1]. (Formerly AA-245)
BI-246 (F-6532)	NHT II Desulfurizer Reboiler with a rated capacity of 37 MMBTU/hr. The reboiler burns refinery fuel gas[1]. (Formerly AA-246)
BJ-000	**Plant 66 Gas Recovery Unit (GRU)**
BJ-001	Plant 66 Equipment Leaks.
BJ-002	Plant 66 Wastewater and Drain System.
BJ-048 (D-6670)	Relief Drum Process Vent controlled by a flare.
BK-000	**Plant 67 Low Sulfur Diesel (LSD) Hydrofiner**
BK-001	Plant 67 Equipment Leaks.
BK-002	Plant 67 Wastewater and Drain System.
BK-076 (C18176)	2,000 Gallon Organic Liquids (Flo-Mor EC5375A) Tank.
BK-086 (D-6720)	Relief Drum Process Vent controlled by a flare.
BK-087	Plant 67 Diethanolamine (DEA) Sump Vent.
BK-261 (F-6701)	Hydrofiner Feed Furnace with a rated capacity of 70 MMBTU/hr and is equipped with an ultra-low NO_x burner. The furnace burns refinery fuel gas[1]. (Formerly AA-261)
BL-000	**Plant 68 Treaters II**
BL-001	Plant 68 Equipment Leaks.
BL-002	Plant 68 Wastewater and Drain System.
BL-053 (D-6810A)	Perco Treater – Vent A.
BL-054 (D-6810B)	Perco Treater – Vent B.
BL-055 (D-6810C)	Perco Treater – Vent C.
BL-056 (D-6810D)	Perco Treater – Vent D.
BL-057 (D-6810E)	Perco Treater – Vent E.
BL-059 (D-6890)	Relief Drum Process Vent controlled by a flare.

Emission Point (Chevron ID)	Description
BN-000	**Plant 70 Light Straight Run (LSR) Splitter**
BN-001	Plant 70 Equipment Leaks.
BN-002	Plant 70 Wastewater and Drain System.
BN-076 (D-7090)	Relief Drum Process Vent controlled by a flare. (This drum is also the relief drum for Plant 69)
BO-000	**Plant 71 Dehexanizer**
BO-001	Plant 71 Equipment Leaks.
BO-002	Plant 71 Wastewater and Drain System.
BO-079 (D-7108)	Relief Drum Process Vent controlled by a flare. (This drum is also the relief drum for Plant 63)
BP-000	**Plant 81 Residuum Desulfurization (RDS)**
BP-001	Plant 81 Equipment Leaks.
BP-002	Plant 81 Wastewater and Drain System.
BP-007	Plant 81 Diethanolamine (DEA) Sump Vent.
BP-056 (D-8109)	Relief Drum Process Vent controlled by a flare.
BP-077 (C18177)	3,000 Gallon Organic Liquids (Flo-Mor EC5375A) Tank.
BP-511 (F-8110)	Residuum Desulfurization Feed Furnace No. 1 with a rated capacity of 65 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-511)
BP-512 (F-8120)	Residuum Desulfurization Feed Furnace No. 2 with a rated capacity of 65 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-512)
BP-513 (F-8130)	Residuum Desulfurization Feed Furnace No. 3 with a rated capacity of 65 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-513)
BQ-000	**Plant 83 Coker**
BQ-001	Plant 83 Equipment Leaks.
BQ-002	Plant 83 Wastewater and Drain System.
BQ-009	Plant 83 Diethanolamine (DEA) Sump Vent.
BQ-067 (D-8370)	Relief Drum Process Vent controlled by a flare.
BQ-078 (T-8300)	388,500 Gallon Coke Cutting Water Storage External Floating Roof Tank.
BQ-521 (F-8300A)	Coker Furnace No. 1 with a rated capacity of 203.5 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-521)
BQ-522 (F-8300B)	Coker Furnace No. 2 with a rated capacity of 203.5 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-522)
BQ-523 (F-8300C)	Coker Furnace No. 3 with a rated capacity of 203.5 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-523)
BR-000	**Plant 84 Vacuum Distillation Unit (VDU)**
BR-001	Plant 84 Equipment Leaks.
BR-002	Plant 84 Wastewater and Drain System.
BR-080 (D-8408)	Relief Drum Process Vent controlled by a flare.
BR-531 (F-8400)	Vacuum Distillation Feed Furnace with a rated capacity of 275 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-531)

Emission Point (Chevron ID)	Description
BS-000	**Plant 85 Coker Hydrodenitrifier (HDN)**
BS-001	Plant 85 Equipment Leaks.
BS-002	Plant 85 Wastewater and Drain System.
BS-083 (D-8509)	Relief Drum Process Vent controlled by a flare.
BS-501 (F-8510)	Hydrodenitrifier Charge Furnace with a rated capacity of 55 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-501)
BS-502 (F-8560)	Hydrodenitrifier Distillation Furnace with a rated capacity of 150 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-502)
BT-000	**Plant 86 Hydrogen III**
BT-001	Plant 86 Equipment Leaks.
BT-002	Plant 86 Wastewater and Drain System.
BT-088 (D-8687)	Relief Drum Process Vent controlled by a flare.
BT-541 (F-8620, KGT-8650)	Three Common Stacks (1050 MMBTU/hr Total) for one Process Heater with a rated capacity of 780 MMBTU/hr (Formerly AA-541(A)), and one Gas Turbine with a rated capacity of 270 MMBTU/hr (Formerly AA-541(B)). The heater burns refinery fuel gas[1] and the turbine burns natural gas. (The turbine exhaust provides combustion air to the furnace.)
BT-542 (F-8610)	Feedstock Furnace with a rated capacity of 38 MMBTU/hr. The furnace burns refinery fuel gas[1]. (Formerly AA-542)
BT-544 (E-8645)	Glycol Still After Cooler – Ethylene Glycol Vent.
BU-000	**Plant 87 Alkylation II**
BU-001	Plant 87 Equipment Leaks.
BU-002	Plant 87 Wastewater and Drain System.
BU-060 (C-8760)	Depropanizer Column Reflux Drum Vent routed to the fuel gas system or controlled by a flare.
BU-099 (D-8785)	Relief Drum Process Vent controlled by a flare.
BV-000	**Plant 89 Fire Training**
BV-001	Fire Training Activities.
BW-000	**Plant 90 Sulfur Recovery Unit (SRU) IV**
BW-001	Plant 90 Equipment Leaks.
BW-002	Plant 90 Wastewater and Drain System.
BW-014 (C-9080)	Plant 90 Tail Gas Vent and Sulfur Pit (T-9000) controlled by a Stretford scrubber (C-9080).
BW-018 (T-18)	485,604 Gallon, Fixed Roof Sulfur Tank controlled by a caustic scrubber (C-9090) shared with T-19. (Formerly part of AA-150)
BW-019 (T-19)	485,016 Gallon, Fixed Roof Sulfur Tank controlled by a caustic scrubber (C-9090) shared with T-18. (Formerly part of AA-150)
BW-551 (F-9080)	Sulfur Recovery Emergency H_2S Combustor with a rated capacity of 19.25 MMBTU/hr. The combustor burns refinery fuel gas[1]. (Formerly AA-551)
BX-000	**Plant 91 Sulfur Recovery Unit (SRU) V**
BX-001	Plant 91 Equipment Leaks.
BX-002	Plant 91 Wastewater and Drain System.

Emission Point (Chevron ID)	Description
BX-020 (C-9180)	Plant 91 Tail Gas Vent and Sulfur Pit (T-9100) controlled by a Stretford scrubber (C-9180).
BX-552 (F-9180)	Sulfur Recovery Emergency H_2S Combustor with a rated capacity of 19.25 MMBTU/hr. The combustor burns refinery fuel gas[1]. (Formerly AA-552)
BY-000	**Plant 92 Sulfur Recovery Unit (SRU) VI**
BY-001	Plant 92 Equipment Leaks.
BY-002	Plant 92 Wastewater and Drain System.
BY-025 (C-9280)	Plant 92 Tail Gas Vent and Sulfur Pit (T-9200) controlled by a Stretford scrubber (C-9280).
BY-553 (F-9280)	Sulfur Recovery Emergency H_2S Combustor with a rated capacity of 19.25 MMBTU/hr. The combustor burns refinery fuel gas[1]. (Formerly AA-553)
BZ-000	**Plant 94 Amine Regeneration**
BZ-001	Plant 94 Equipment Leaks.
BZ-014 (C-9440)	Train 1 Relief Caustic Scrubber Vent controlled by a flare.
BZ-015 (T-9460)	50,400 gallon, Fixed Roof, Fresh DEA Tank.
BZ-016 (T-9480)	113,400 gallon, Fixed Roof, Spent DEA Tank.
BZ-017 (T-9490)	129,990 gallon, Fixed Roof, Spent DEA Tank.
BZ-031 (C-9450)	Train 2 Relief Caustic Scrubber Vent controlled by a flare.
BZ-562	Plant 94 Train I DEA Sump Vent. (Formerly part of AA-562)
BZ-563	Plant 94 Train II DEA Sump Vent. (Formerly part of AA-562)
CC-000	**Plant 95 Wastewater Treater**
CC-001	Plant 95 Equipment Leaks.
CC-002	Plant 95 Wastewater and Drain System.
CC-032 (C-9580)	Wastewater Treater Unit Consisting of a Caustic Scrubber and Flare No. 1 (AW-381) or Flare No. 2 (AW-382). (Formerly AB-332)
CC-033 (D-9551)	Blow Down Drum Vent controlled by a flare.
CC-102 (S-95002)	Sulfur Area ETP Sump
CC-197 (T-197)	1,151,456 Gallon, External Floating Roof, H_2S Feed Tank. (Formerly part of AA-150)
CD-000	**Plant 112 Solid Waste Treatment Units**
CD-001	Plant 112 Equipment Leaks.
CD-002	Plant 112 Wastewater and Drain System.
CD-084	Refinery Catalyst Pad.
CD-112 (T-11210)	19,950 Gallon OSCAR Fixed-roof Tank with a closed vent system controlled by a carbon canister. (Formerly AA-112)
CE-000	**Plant 122 Iso Octene**
CE-001	Plant 122 Equipment Leaks.
CE-002	Plant 122 Wastewater and Drain System.

Emission Point (Chevron ID)	Description
CE-021 (C-12260)	C4/C5 Olefin Splitter.
CE-022 (R-12210)	Iso Octene Reactor.
CE-023 (C-12220)	Debutanizer.
CE-093 (V-12251)	Relief Drum Process Vent controlled by a flare.
CF-000	**Plant 208 Main Lab**
CF-001	Plant 208 Fixed-roof Wastewater Storage Sump with a closed-vent system controlled by a carbon canister.
CG-000	**Plant 5171 Pascagoula Marketing Terminal (PMT)**
CG-001	Plant 5171 Wastewater and Drain System.
CG-002	Three Tank—Truck Loading Racks with additive injection systems, controlled by two vapor recovery units. (Formerly AN-000-RACK & AN-000-VRU)
CG-003	Plant 5171 Equipment Leaks
CG-032 (T-3032)	6,000-Gallon Exxon Additive Tank
CG-033 (T-3033)	7,100-Gallon Shell Additive Tank
CG-034 (T-3034)	8,000-Gallon Diesel Lubricity Tank
CG-037 (T-3037)	6,000-Gallon BP Additive Tank
CG-038 (T-3038)	2,000-Gallon Red Dye Tank
CH-000	**Plant 79 Continuous Catalytic Reforming (CCR) Unit**
CH-001	Plant 79 Equipment Leaks – Petroleum Refinery Process Units (PRPU).
CH-002	Plant 79 Wastewater and Drain System.
CH-003 (F-7910, F-7920, F-7930, F-7940)	Common Stack (850 MMBTU/hr Total) for four Platformer Feed/Interstage Heaters equipped with Ultra Low-NO_x Burners. The process heaters burn refinery fuel gas[1] only.
CH-004	Continuous Catalyst Regenerator Vent controlled by a gas-solid adsorption system for HCl and a residual contaminant removal system for dioxins.
CH-901 (T-7901)	2,500-Gallon Organic Liquid (Perchloroethylene) Tank.
CI-000	**Plant 80 Reformate Splitter Unit**
CI-001	Plant 80 Equipment Leaks – Petroleum Refinery Process Units (PRPU).
CI-002	Plant 80 Wastewater and Drain System.
CI-003 (F-8007)	Reformate Splitter Furnace with a total heat input of 160 MMBTU/hr. The furnace is equipped with Ultra Low-NO_x Burners. The furnace burns refinery fuel gas[1] only.

CJ-000	Plant 23 Pressure Swing Adsorber (PSA) Unit
CJ-001	Plant 23 Equipment Leaks – Petroleum Refinery Process Units (PRPU)

[1] Refinery fuel gas means process off-gases, natural gas, or a mixture as supplied to the combustion devices. Refinery fuel gas, as burned, consists of process off-gases that are routed to a fuel mixer where they are supplemented with natural gas to maintain proper feed to the refinery fuel gas combustion devices. In addition, refinery fuel gas monitoring occurs after fuel blending in order to be representative of the fuel as burned.

SECTION 3. EMISSION LIMITATIONS & STANDARDS

A. Facility-Wide Emission Limitations & Standards

1. Except as otherwise specified or limited herein, the permittee shall not cause, permit, or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty (40) percent opacity subject to the exceptions provided in (a) & (b).

   (a) Startup operations may produce emissions which exceed 40% opacity for up to fifteen (15) minutes per startup in any one hour and not to exceed three (3) startups per stack in any twenty-four (24) hour period.

   (b) Emissions resulting from soot blowing operations shall be permitted provided such emissions do not exceed 60 percent opacity, and provided further that the aggregate duration of such emissions during any twenty-four (24) hour period does not exceed ten (10) minutes per billion BTU gross heating value of fuel in any one hour. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

2. Except as otherwise specified or limited herein, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity as to obscure an observer's view to a degree in excess of 40% opacity, equivalent to that provided in Paragraph 3.A.1. This shall not apply to vision obscuration caused by uncombined water droplets. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.B.)

B. Emission Point Specific Emission Limitations & Standards

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AC-000	**General Plant**			
AC-002 (Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 and Group 2 wastewater) 40 CFR 63.640(o)(2);	3.B.3.3, 3.AC.2.1;	HAP	Wastewater stream management units receiving streams subject to both 40 CFR 63, Subpart CC and G shall comply with requirements in 40 CFR 63, Subpart CC;
	(Group 1 wastewater) 40 CFR 63.647	3.AC.2.2		Comply with 40 CFR Part 63, Subpart CC by complying with requirements in 40 CFR Part 61, Subpart FF.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AC.2.3	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 and Group 2 wastewater) 40 CFR 63.110(e);	3.B.3.2; 3.AC.2.4	HAP	Comply with 40 CFR Part 63, Subpart G and 40 CFR 61, Subpart FF;
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(a);	3.B.2.1; 3.AC.2.5,	Benzene	Annual benzene waste generated.
	40 CFR 61.342(c)(1)(ii), or 40 CFR 61.342(c)(2), or 40 CFR 61.342(c)(3)(ii);	3.AC.2.6		Waste stream requirements, or annual stream exemption procedures.
	40 CFR 61.342(f)	3.AC.2.7		Offsite waste treatment.
	40 CFR 61.346(b)(1),(2),&(3)	3.AC.2.8		Drain system control requirements.
AC-003 (Equipment Leaks)	See individual plant for specific equipment leak applicability. See Condition 3.AC.3.1 for requirements.			
AC-004 (Site Remediation)	NESHAP: Site Remediation – 40 CFR Part 63, Subpart GGGGG, and General Provisions, Subpart A.			
		3.B.3.8	HAP	Record keeping only, see Section 5 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AD-000	**Plant 10 Olefin Splitter**			
AD-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590;	3.B.1.5; 3.AD.1.1;	VOC	Comply with 40 CFR Part 60, Subpart GGG.
	40 CFR 63.640(p)	3.AD.1.2		For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AD.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AD-002 (Plant 10 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AD-036 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 60.662(a)	3.B.1.9; 3.AD.36.1	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AD.36.2	Operational Limitation	Vent stream must be introduced with the primary fuel.
AD-060 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AD.60.1	HAP	Controlled by a flare.
AE-000	**Plant 11 Crude I**			
AE-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590;	3.B.1.5; 3.AE.1.1;	VOC	Comply with 40 CFR Part 60, Subpart GGG.
	40 CFR 63.640(p)	3.AE.1.2		For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AE.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued on May 8, 2007.			
		3.B.5.8; 3.AE.1.4	VOC	Leak definitions for valves, connectors, and pumps.
AE-002 (Plant 11 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene as Organics	See AC-002 for requirements.
AE-004 (Cooling Tower)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8;	VOC	0.7 lbs/MM gal of circulated water (12-month rolling average), not to exceed 1.84 TPY (12-month rolling total).
		3.AE.4.1	Operational Limitation	Equipped with high-efficiency drift eliminators.
AE-013 (Furnaces)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	6.83 lbs/hr and 19.96 TPY
			NO_x	89.94 lbs/hr and 262.62 TPY
			CO	165.56 lbs/hr and 193.38 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
			SO_2	37.59 lbs/hr (24-hour rolling average) and 85.62 TPY
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	(For F-1102) 40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005) **(For F-1101)** 40 CFR 60.104(a)(1) (Consent Decree, PSD PTC 5/8/2007)	3.B.1.7; 3.B.5.5; 3.AE.13.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AE-082 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AE.82.1	HAP	Controlled by a flare.
AE-200 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AE-202 (Organic Liquid Tank)	See requirements for AE-200.			
AF-000	**Plant 12 Isomax (ISO) I**			
AF-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AF.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AF-002 (Plant 12 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AF-021 (Process Heaters)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	7.69 lbs/hr (24-hour rolling average) and 17.50 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AF.21.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AF-024 (Process Heater)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	6.15 lbs/hr (24-hour rolling average) and 14.00 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AF.24.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AF-025 (Process Heater)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	8.61 lbs/hr (24-hour rolling average) and 19.60 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AF.25.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AF-026 (Process Heater)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	2.46 lbs/hr (24-hour rolling average) and 5.60 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AF.26.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AF-098 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AF.98.1	HAP	Controlled by a flare.
AG-000	**Plant 15 Rheniformer I/ Naphtha Hydrotreater (NHT) I**			
AG-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AG.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AG-002 (Plant 15 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AG-004 (Organic Liquid	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
Tank)		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.
AG-041 (Process Heater)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	Opacity	40%
			Fuel	Refinery fuel gas[1].
			SO_2	4.00 lbs/hr (24-hour rolling average) and 9.10 TPY
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AG.41.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AG-042 (Reboiler)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	2.58 lbs/hr (24-hour rolling average) and 5.88 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AG.42.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AG-043 (Furnaces)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	5.45 lbs/hr and 21.6 TPY
			NO_x	136.0 lbs/hr and 539.7 TPY
			SO_2	33.50 lbs/hr (24-hour rolling average) and 76.29 TPY
			CO	118.0 lbs/hr and 169.0 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AG.43.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AG-063 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AG.63.1	HAP	Controlled by a flare.
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1566(a)(1)(i)	3.B.3.6; 3.AG.63.2	Organic HAP	Controlled by a flare.
AG-064 (CRU)	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1567(a)(1) & Table 22	3.B.3.6; 3.AG.64.1	Inorganic HAP (HCl)	30 ppmvd, corrected to 3% O_2
	40 CFR 63.1567(a)(2) & Table 23	3.AG.64.2		Site specific operating limit.
	40 CFR 63.1567(a)(3)	3.AG.64.3	Operating Standard	Prepare an operation, maintenance, and monitoring plan.
AH-000	**Plant 16 Fluidized-bed Catalytic Cracking (FCC)**			
AH-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AH.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AH-002 (Plant 16 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AH-051 (Catalyst Regenerator)	Permit to Construct issued May 24, 2005.			
		3.B.5.6,	PM/ PM_{10}	111 lbs/hr (3-hour rolling average) and 121.50 TPY
	(Consent Decree)	3.AH.51.1	SO_2	25 ppmvd @ 0% O_2 on a 365-day rolling average and 50 ppmvd @ 0% O_2 on a 7-day rolling average.
				500 lbs/hr (3-hour rolling average) and 153.50 TPY
			NO_x	375 lbs/hr (3-hour rolling average) and 282.00 TPY
			CO	588 lbs/hr (1-hour average) and 573.00 TPY
			Sulfuric Acid	47.36 lbs/hr (3-hour rolling average) and 7.05 TPY
			VOC	59.13lbs/hr (3-hour rolling average) and 25.9 TPY

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
			NH_3	21.0 lbs/hr (24-hour block average, determined daily) and 92.0 TPY
			HCN	4.0 lbs/hr (3-hour block average) and 17.5 TPY
			Opacity	30% except for one 6-minute average reading in any one hour
	(Consent Decree)	3.AH.51.2	CO	500 ppmvd @ 0% O_2 on a 1-hour average basis
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.102(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AH.51.3,	PM	1.0 kg/Mg (1.0 lb/1,000 lbs) of coke burn-off.
	40 CFR 60.104(b)(3), (c), & 60.108(b) (Consent Decree, PTC 12/9/2005)	3.AH.51.4,	Fresh feed sulfur content (SO_2)	0.30% by weight on a 7-day rolling average, including periods of startup, shutdown, and malfunction.
	40 CFR 60.103(a)	3.AH.51.5,	CO	500 ppmvd
	40 CFR 60.102(a)(2) 40 CFR 60.11(c) (Consent Decree, PTC 12/9/2005)	3.AH.51.6,	Opacity	30% except for one 6-minute average reading in any one hour
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1564(a)(1)	3.B.3.6; 3.AH.51.7,	Metal HAP (PM)	Subject to and shall comply with NSPS J
	40 CFR 63.1564(a)(1)	3.AH.51.7,	Opacity	
	40 CFR 63.1565(a)(1)	5.AH.51.8	Organic HAP (CO)	
AH-052 (Process Heater)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.AH.52.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 24, 2005.			
		3.B.5.6	PM/ PM_{10}	1.84 lbs/hr (3-hour block average) and 5.38 TPY
			SO_2	10.14 lbs/hr (24-hour rolling average) and 23.10 TPY
			NO_x	9.16 lbs/hr and 25.00 TPY
			CO	44.67 lbs/hr and 48.60 TPY
			Opacity	20% (6-minute average), except for one 6-minute period per hour of not more than 27%.
			Fuel	Refinery fuel gas[1]
	Permit to Construct issued September 4, 2008.			
	(Consent Decree)	3.B.5.9	NO_x	0.041lb/MMBTU (HHV), based on 365-day rolling average.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AH-071 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AH.71.1	HAP	Controlled by a flare.
AI-000	**Plant 17 Alkylation I**			
AI-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AI.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AI-002 (Plant 17 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AI-076 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AI.76.1	HAP	Controlled by a flare.
AJ-000	**Plant 18 Treaters I**			
AJ-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AJ.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AJ-002 (Plant 18 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AJ-053 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Notification and Recordkeeping requirements only, see Section 5.
AJ-086 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AJ.86.1	HAP	Controlled by a flare.
AJ-087, AJ-088 (Reactor Vents)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Miscellaneous Process Vent)	3.B.3.3	HAP	Monitoring requirements only see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AK-000	**Plant 20 Light Ends Recovery (LER) I**			
AK-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AK.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AK-002 (Plant 20 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AK-079 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AK.79.1	HAP	Controlled by a flare.
AL-000	**Plant 21 Boiler Plant (Includes N2 Plant)**			
AL-104, AL-105, AL-106 (Boilers)	NSPS for Industrial – Commercial – Institutional Steam Generating Units – 40 CFR Part 60, Subpart D_b, and General Provisions, Subpart A.			
	40 CFR 60.44b(a), (h), and (i)	3.B.1.11; 3.AL.104.1,	NO_2 (NO_x)	0.10 lb/MMBTU heat input (30-day rolling average); applies at all times including periods of startup, shutdown, and malfunction.
	40 CFR 60.40b(c)	3.AL.104.3,	SO_2	See standards in 40 CFR Part 60, Subpart J and Subpart Ja, as applicable.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued October 20, 2006.			
		3.B.5.7; 3.AL.104.2	PM/ PM_{10}	0.0075 lb/MMBTU (3-hour block average), not to exceed 2.96 lb/hr (3-hour block average), and 8.65 TPY. The lb/MMBTU limit does not apply during periods of startup, shutdown, or when operating at less than 50% of capacity.
			NO_x	0.040 lb/MMBTU (365-day rolling average), not to exceed 15.90 lbs/hr (3-hour rolling average), and 46.43 TPY. The lb/MMBTU limit does not apply during periods of startup, shutdown, or when operating at less than 50% of capacity.
			CO	100 ppmvd @ 3% O_2 (3-hour rolling average), not to exceed 28.69 lbs/hr (3-hour rolling average), and 83.79 TPY. The ppmvd limit does not apply during periods of startup, shutdown, or when operating at less than 50% of capacity.
			Opacity	40%, 6 minute average.
			Fuel	Refinery fuel gas[1] or natural gas.
		3.AL.104.5		Operation of Ultra-low NO_x burners.
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	16.29 lbs/hr (24-hour rolling average), and 37.14 TPY.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AL-104 and AL-105 (Boilers)	NSPS for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 – 40 CFR Part 60, Subpart Ja, and General Provisions, Subpart A			
	40 CFR 60.102a(g)(1)(ii)	3.B.1.14; 3.AL.104.6;	Fuel H_2S	H_2S fuel gas content ≤ 162 ppmv (hourly 3-hour rolling average) and ≤ 60 ppmv (daily 365-day rolling average)
	40 CFR 60.103a(c)(2)	3.AL.104.8	SO_2	Work practice standard to conduct root cause analysis and corrective action analysis for any emission limit exceedance that causes emissions of SO_2 in excess of 500 lbabove the short term H_2S emission limit listed in §60.102a(g)(1) for any 24-hour period.
AL-106	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
(Boiler)	40 CFR 60.104(a)(1)	3.B.1.7; 3.AL.106.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf) (3-hour rolling average).
AM-000	**Plant 22 Hydrofiner**			
AM-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AM.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AM-002 (Plant 22 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AM-093 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AM.93.1	HAP	Controlled by a flare.
AM-111 (Heater)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.436 lbs/hr and 1.27 TPY
			SO_2	2.95 lbs/hr (24-hour rolling average) and 6.72 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.AM.111.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AN-000	**Plant 24 Aromax**			
AN-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries– 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.AN.1.1; 3.AN.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AN.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AN-002 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in SOCMI—40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AN.2.1, 3.AN.2.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AN.2.3	HAP	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63 Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AN.2.3	HAP	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63 Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AN.2.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AN.2.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AN-003 (CMPU, Maintenance Wastewater)	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (SOCMI)- 40 CFR Part 63, Subpart F, and General Provisions –Subpart A.			
	Maintenance Wastewater Requirements 40 CFR 63.105	3.B.3.1; 3.AN.3.1	HAP	Startup, Shutdown, and Malfunction (SSM) Plan.
AN-004 (NHT Process Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AN-005 (Aromax Process Wastewater)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AN-006 (CMPU, Heat	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
Exchange Systems)	40 CFR 63.104(b)(1) and (b)(3)	3.B.3.1; 3.AN.6.1,	HAP	Monitor cooling water monthly for 6 months and quarterly thereafter using an EPA-approved method to detect leaks.
	40 CFR 63.104(b)(4) and (b)(5)	3.AN.6.2,		Sample collection requirements.
	40 CFR 63.104(b)(6)	3.AN.6.3		Leak definition.
AN-015 (Spill Tank)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.B.2.1; 3.AN.15.1,	Benzene	Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AN.15.2,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AN.15.3,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AN.15.4,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AN.15.5		Required operation.
AN-016 (Wastewater Sump)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.B.2.1; 3.AN.16.1,	Benzene	Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AN.16.2,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AN.16.3,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AN.16.4,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AN.16.5		Required operation.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AN-097 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AN.97.1	HAP	Controlled by a flare.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AN.97.2	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 Process Vent) 40 CFR 63.113(a)(1)	3.B.3.2; 3.AN.97.3	HAP	Controlled by a flare.
AN-098 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 60.662(a)	3.B.1.9; 3.AN.98.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AN.98.2		Vent stream must be introduced with the primary fuel.
AN-099 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 63.110(d)(4),(6)	3.B.3.2; 3.AN.99.1	VOC	Comply with 40 CFR 60, Subpart NNN by complying with 40 CFR 63, Subpart G.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	Emissions routed through AN-097. (Flare controlled)	3.B.3.2;	HAP	See requirements for AN-097.
AN-404 (Process Vent)	**(When routing emissions to the fuel gas system)** NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	40 CFR 60.702(a)	3.B.1.10; 3.AN.404.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(1)(ii)	3.AN.404.2,		Bypass valve closed with a car-seal or lock and key.
	40 CFR 60.703(c)(2)	3.AN.404.3		Vent stream must be introduced with the primary fuel.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	(When NOT routing emissions to the fuel gas system) NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	40 CFR 63.110(d)(7),(9)	3.B.3.2; 3.AN.404.4	VOC	Comply with 40 CFR 60, Subpart RRR by complying with 40 CFR 63, Subpart G.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	Emissions routed through AN-097. (Flare controlled)	3.B.3.2;	HAP	See requirements for AN-097.
AN-405 (Process Vent)	**(When routing emissions to the Distillation Operation)** NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	40 CFR 60.700(c)(5)	3.B.1.10; 3.AN.405.1	VOC	Emissions are routed to an NSPS, Subpart NNN Distillation Operation with no bypass.
	(When NOT routing emissions to the Distillation Operation) NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	40 CFR 63.110(d)(7), (9)	3.B.3.2; 3.AN.405.2	VOC	Comply with 40 CFR 60, Subpart RRR by complying with 40 CFR 63, Subpart G.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	Emissions routed through AN-097. (Flare controlled)	3.B.3.2;	HAP	See requirements for AN-097.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AN-426 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	(Emissions routed to the fuel gas system) 40 CFR 60.702(a)	3.B.1.10; 3.AN.426.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2)	3.AN.426.2		Vent stream must be introduced with the primary fuel.
AN-427 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	(When routing emissions to the fuel gas system) 40 CFR 60.662(a)	3.B.1.9; 3.AN.427.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AN.427.2,		Vent stream must be introduced with the primary fuel.
	(When routing emissions to the flare) 40 CFR 60.662(b)	3.AN.427.3,		Controlled by a flare.
	40 CFR 60.663(b)(2)	3.AN.427.4		Required flow monitor.
AN-752 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.AN.752.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.30 lbs/hr and 1.30 TPY.
			SO_2	2.41 lbs/hr (24-hour rolling average) and 5.49 TPY.
			NO_x	4.08 lbs/hr and 12.00 TPY.
			CO	5.76 lbs/hr and 4.87 TPY.
			VOC	0.22 lbs/hr and 0.94 TPY.
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AN-753 (Furnaces)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
		3.B.1.7; 3.AN.753.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	4.18 lbs/hr and 18.30 TPY.
			SO_2	33.80 lbs/hr (24-hour rolling average) and 76.99 TPY.
			NO_x	40.2 lbs/hr and 153.5 TPY.
			CO	81.00 lbs/hr and 62.02 TPY.
			VOC	3.03 lbs/hr and 13.20 TPY.
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AO-000	**Plant 27 H_2S II, Sulfur Recovery Units (SRU) II & III**			
AO-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AO.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AO-002 (Plant 27 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AO-004, AO-005 (SRU)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(2)(i); PTC, 9/4/2008 (Consent Decree)	3.B.1.7; 3.B.5.9; 3.AO.4.1	SO_2	Emit less than or equal to 250 ppm by volume of sulfur dioxide at zero percent excess air.
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1568(a)(1)	3.B.3.6; 3.AO.4.2	SO_2	Subject to and shall comply with NSPS J.
AO-013 (Relief Caustic Scrubber)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AO.13.1	HAP	Controlled by a flare.
AO-020, AO-021 (Tanks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AO-198 (H_2S Tank)	NSPS 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 Part 60, Subpart K_a, and General Provisions, Subpart A.			
	40 CFR 60.112a(a)(1)	3.B.1.4; 3.AO.198.1	VOC	External floating roof requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AP-000	**Plant 29 Ethylbenzene Complex**			
AP-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.AP.1.1; 3.AP.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AP.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AP-002 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AP.2.1 3.AP.2.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AP.2.3	HAP	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63 Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AP.2.3	HAP	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63 Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AP.2.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AP.2.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AP-003 (CMPU, Maintenance Wastewater)	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (SOCMI)- 40 CFR Part 63, Subpart F, and General Provisions –Subpart A.			
	Maintenance Wastewater Requirements 40 CFR 63.105	3.B.3.1; 3.AP.3.1	HAP	Startup, Shutdown, and Malfunction (SSM)Plan.
AP-004 (EBFPU Process Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AP-005 (ERU Process Wastewater)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AP-006 (CMPU, Heat Exchange Systems)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.104(b)(1) and (b)(3)	3.B.3.1; 3.AP.6.1,	HAP	Monitor cooling water monthly for 6 months and quarterly thereafter using an EPA-approved method to detect leaks.
	40 CFR 63.104(b)(4) and (b)(5)	3.AP.6.2, 3.AP.6.3		Sample collection requirements.
	40 CFR 63.104(b)(6)			Leak definition.
AP-018 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AP.18.1	HAP	Controlled by a flare.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AP.18.2	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 Process Vent) 40 CFR 63.113(a)(1)	3.B.3.2; 3.AP.18.3	HAP	Controlled by a flare.
AP-123 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 60.662(a)	3.B.1.9; 3.AP.123.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AP.123.2	Operational Limitation	Vent stream must be introduced with the primary fuel.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AP-124 (Heater)	Permit to Construct issued May 24, 2005.			
		3.B.5.6	PM/ PM_{10}	0.94 lbs/hr (3-hour block averge) and 3.29 TPY
			SO_2	0.10 lbs/hr (24-hour rolling average) and 0.31 TPY
			NO_x	1.73 lbs/hr (3-hour rolling average) and 6.08 TPY
			CO	2.25 lbs/hr (3-hour rolling average) and 6.57 TPY
			Opacity	40%
			Fuel	Natural gas only.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
AP-125 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 60.662(a)	3.B.1.9; 3.AP.125.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
AP-225 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes – 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.			
	40 CFR 60.700(c)(5)	3.B.1.10; 3.AP.225.1,	VOC	Emissions are routed to an NSPS, Subpart NNN Distillation Operation
	40 CFR 60.703(c)(1)(ii) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AP.225.2,	Operational Limitation	Bypass valve closed with a car-seal or lock and key.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.AP.225.3	Operational Limitation	Vent stream must be introduced with the primary fuel.
AQ-000	**Plant 32 Effluent Treating System, Utilities**			
AQ-001 (Plant 32 Equipment Leaks)	Permit to Construct issued January 8, 2008, modified November 13, 2012.			
		3.B.5.13; 3.AQ.1.1	VOC	Leak definition for valves and pumps.
AQ-002 (Plant 32 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 and Group 2 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AQ-040 (Separator, Lift) [Other emission units referenced to these requirements: AQ-042, AQ-043, AQ-045, AQ-046, AQ-047, AQ-048, AQ-050]	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.352(b); 40 CFR 61.347(a)(1); Fixed roof: 40 CFR 61.347(a)(1)(i)(A) & (B)	3.B.2.1; 3.AQ.40.1, 3.AQ.40.2, 3.AQ.40.3,	Benzene	Fixed roof meeting the requirement in §§61.347 and 61.349. Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.349(a)(1)(i); 40 CFR 61.349(a)(2)(ii); 40 CFR 61.349(b)	3.AQ.40.4, 3.AQ.40.5, 3.AQ.40.6		Non-Detect (less than 500 ppmv above background). 95% control by weight for organics or 98% control by weight for benzene. Required operation.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
AQ-041 (Separator, Removing Cells) [Other emission units referenced to these requirements: AQ-044, AQ-049]	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.352(a)(1)	3.B.2.1; 3.AQ.41.1	Benzene	Floating roof meeting the requirements in §60.693-2(a).
AQ-042 (Separator, Effluent)	See requirements for AQ-040.			
AQ-043 (Separator, Lift)	See requirements for AQ-040.			
AQ-044 (Separator, Removing Cells)	See requirements for AQ-041.			
AQ-045 (Separator, Effluent)	See requirements for AQ-040.			
AQ-046 (Separator, Lift)	See requirements for AQ-040.			
AQ-047 (Separator, Effluent)	See requirements for AQ-040.			
AQ-048 (Separator, Lift)	See requirements for AQ-040.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AQ-049 (Separator, Removing Cells)	See requirements for AQ-041.			
AQ-050 (Separator, Effluent)	See requirements for AQ-040.			
AQ-051, AQ-052 (Separators)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions,Subpart A.			
	(PRPU Group 1 waste water)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii);	3.B.2.1; 3.AQ.51.1,	Benzene	Waste treatment requirements.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.AQ.51.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AQ.51.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AQ.51.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AQ.51.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AQ.51.6		Required operation.
AQ-054, AQ-055 (Pumps)	NESHAP for Stationary Reciprocating Internal Combustion Engines – 40 CFR Part 63, Subpart ZZZZ, and General Provisions, Subpart A.			
	40 CFR 63.6590(a)(1)(ii)	3.B.3.9; 3.AQ.54.1	HAP	No Requirements.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.4.1	PM	0.6 lbs/MMBTU per hour heat input.
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
AQ-060, AQ-061 (COD Wastes Tanks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 2 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(2)	3.B.2.1; 3.AQ.60.1	Benzene	Exemption requirements.
AQ-065, AQ-066 (Storm Water Tanks)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(2)	3.B.2.1; 3.AQ.65.1	Benzene	Exemption requirements.
AQ-100 (Raw Effluent Collection Sump)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii)	3.B.2.1; 3.AQ.100.1;	Benzene	Waste treatment requirements.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B)	3.AQ.100.2;		Non-Detect (less than 500 ppmv above background).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii)	3.AQ.100.3;		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i)	3.AQ.100.4;		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(1)(ii)(B)	3.AQ.100.5;		Bypass valve closed with a car-seal or a lock-and-key.
	40 CFR 61.349(a)(2)(ii)	3.AQ.100.6;		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AQ.100.7		Required operation.
	Permit to Construct issued January 8, 2008, modified November 13, 2012.			
		3.B.5.13 3.AQ.100.8	H_2S	one grain per 100 standard cubic feet.
AQ-110, AQ-120, AQ-130 (Equalization Tanks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions,Subpart A.			
	(PRPU Group 1 waste water)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.351(a)(2)	3.B.2.1; 3.AQ.110.2	Benzene	Comply with 40 CFR Part 61, Subpart FF, by complying with the requirements in 40 CFR 60.112b(a)(2).
AQ-154 (Storm Water Tank)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A			
	40 CFR 61.342(c)(2)	3.B.2.1; 3.AQ.154.1	Benzene	Exemption requirements.
AQ-200, AQ-250, AQ-300 (DNF Units)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions,Subpart A.			
	(PRPU Group 1 waste water)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii)	3.B.2.1; 3.AQ.200.1	Benzene	Waste treatment requirements.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B)	3.AQ.200.2		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii)	3.AQ.200.3		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i)	3.AQ.200.4		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(1)(ii)(B)	3.AQ.200.5;		Bypass valve closed with a car-seal or a lock-and-key.
	40 CFR 61.349(a)(2)(ii)	3.AQ.200.6		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AQ.200.7		Required operation.
	Permit to Construct issued January 8, 2008, modified November 13, 2012.			
		3.B.5.13; 3.AQ.200.8	H_2S	one grain per 100 standard cubic feet.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AQ-220 (DNF Float Collection Tanks with carbon canisters) [other emission units referenced to these requirements: AQ-390, AQ-400, AQ-3200, AQ-3203, AQ-3204, AQ-3205]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions,Subpart A.			
	(PRPU Group 1 waste water)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii)	3.B.2.1; 3.AQ.220.1;	Benzene	Waste treatment requirements.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B)	3.AQ.220.2;		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii)	3.AQ.220.3;		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i)	3.AQ.220.4;		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(1)(ii)(B)	3.AQ.220.5;		Bypass valve closed with a car-seal or a lock-and-key.
	40 CFR 61.349(a)(2)(ii)	3.AQ.220.6;		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AQ.220.7		Required operation.
	Permit to Construct issued January 8, 2008, modified November 13, 2012.			
		3.B.5.13; 3.AQ.220.8	H_2S	one grain per 100 standard cubic feet.
AQ-390 (DNF Bottom Tank with carbon canisters)	See requirements for AQ-220.			
AQ-400 (DNF Effluent Tank with carbon canisters)	See requirements for AQ-220.			
AQ-460, AQ-470 (Aeration Basins)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions,Subpart A.			
	(PRPU Group 1 waste water)	**3.B.3.3**	**HAP**	**See AC-002 for requirements.**
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.348(b)(2)(i) and (ii)	3.B.2.1; 3.AQ.460.1	Benzene	Exemption requirements.
AQ-3200 (Oily Residuals Separation System vented to carbon canisters)	See requirements for AQ-220.			
AQ-3203, AQ-3204 (DNF Float/Bottoms Tanks vented to carbon canisters)	See requirements for AQ-220.			
AQ-3205 (Slurry Tank vented to carbon canisters)	See requirements for AQ-220.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AQ-32201A/B, AQ-32202A/B, AQ-32203A/B, AQ-32204A/B (Firewater Pumps)	NESHAP for Stationary Reciprocating Internal Combustion Engines 40 CFR Part 63, Subpart ZZZZ, and General Provisions,Subpart A.			
		3.AQ.32201.1	HAP	40 CFR 63, Subpart ZZZZ Applicability and comply with 40 CFR 60, Subpart IIII
	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60 Subpart IIII and General Provisions Subpart A.			
		3.AQ32201.2	$NMHC+NO_x$ and PM	40 CFR 60, Subpart IIII Applicability
		3.AQ32201.3	$NMHC+NO_x$	3.0 g/hp-hr
			PM	0.15 g/hp-hr
		3.AQ32201.4	Fuel Restriction	Maximum diesel sulfur content of 15 ppm Minimum cetane index of 40 or maximum aromatice conten of 35% vol.
		3.AQ32201.5	$NMHC+NO_x$ and PM	Operate engine according to manufacturer's emission-related instructions
		3.AQ32201.6	Operational limit	50 hours/year (non-emergency) 100 hours/year (total)
AR-000	**Plant 33 Coke Conveyor & Storage**			
AR-001 (Plant 33 Wastewater)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AR-002 (Coke Handling & Storage)	PSD Permit to Construct issued June 12, 2001.			
		3.B.5.1; 3.AR.2.1	Opacity	0%
AS-000	**Plant 34 Blending**			
AS-001 (Plant 34 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 and Group 2 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AS-002 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-003 (Plant 34 Equipment Leaks – Ethanol Components)	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8; 3.AS.3.1	VOC	Leak definition: 500 ppmv for valves and pressure relief devices; 2,000 ppmv for pumps and compressors
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)	3.AS.3.2	VOC	Incorporate equipment leak components into plan required for AC-003.
AS-004, AS-005, AS-006, AS-007 (Wastewater Sumps)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii);	3.B.2.1; 3.AS.4.1,	Benzene	Waste treatment requirements.
	Sump: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.AS.4.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AS.4.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AS.4.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AS.4.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AS.4.6		Required operation.
AS-008 (Equipment Leaks)	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.2; 3.AS.8.1	HAP	For units subject to both Part 61, Subpart J and Part 63, Subpart CC, comply with Part 63 Subpart CC.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.3; 3.AS.8.1	HAP	For units subject to both Part 61, Subpart V and Part 63, Subpart CC, comply with Part 63 Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AS.8.2	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AS-009 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480	3.B.1.1; 3.AS.9.1,	VOC	Comply with 40 CFR Part 60, Subpart VV.
	40 CFR 63.160(b)(1)	3.AS.9.2		For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AS.9.3	HAP	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AS.9.3	HAP	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1, 3.AS.9.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AS.9.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AS-010 (Temporary Cooling Towers)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8;	VOC	2.65 TPY (12-month rolling total)
		3.AS.10.1	Operating Limit	Limited to 6 months of operation.
AS-014 (Area 8 Relief Drum Vent)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AS.14.1	HAP	Reduce emissions using a flare.
AS-019 (Pump)	NESHAP for Stationary Reciprocating Internal Combustion Engines – 40 CFR Part 63, Subpart ZZZZ, and General Provisions, Subpart A.			
	40 CFR 63.6590(a)(1)(ii)	3.B.3.9; 3.AS.19.1	HAP	No Requirements.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.4.1	PM	0.6 lbs/MMBTU per hour heat input.
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-029, AS-030, AS-032, AS-033 (Gasoline/Chemical Tanks) [Other tanks referenced to these requirements AS-101, AS-104, AS-111, AS-120, AS-121, AS-122, AS-123, AS-124, AS-130 AS-131, AS-132, AS-133, AS-134, AS-140, AS-172, AS-184, AS-194, AS-200, AS-210,AS-220 AS-324, AS-350, AS-351, AS-352, AS-353, AS-355, AS-360, AS-361, AS-370, AS-371, AS-372, AS-373, AS-374, AS-392	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AS-035 (Methanol Tank)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AS.35.1	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.119(a)(1), 40 CFR 63.119(b)	3.B.3.2; 3.AS.35.2	HAP	Fixed roof and internal floating roof tank control requirements.
AS-070, AS-071 (Cresylics Tank) [Other tanks referenced to these requirements AS-073]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.351(a)(1)	3.B.2.1; 3.AS.70.1	Benzene	Comply with 40 CFR Part 61, Subpart FF, by complying with the requirements in 40 CFR 60.112b(a)(1).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-072 (Sulfides Tank) [Other tanks Referenced to these requirements AS-075, AS-076]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(2)	3.B.2.1; 3.AS.72.1	Benzene	Exemption requirements.
AS-073 (Sulfides/ Naphthenics Tank)	See requirements for AS-070.			
AS-075, AS-076 (Sulfides/ Naphthenics Tanks)	See requirements for AS-072.			
AS-085 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Notification and Recordkeeping requirements only, see Section 5.
AS-101 (Heavy Liquids Tank)	See requirements for AS-029.			
AS-102 ()Gasoline Tank	See requirements for AS-103.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-103 (Xylene Tank) [Other tanks referenced to these requirements AS-102, AS-104, AS-112, AS-113, AS-130, AS-140, AS-141, AS-143, AS-150, AS-151, AS-152, AS-160, AS-161, AS-164, AS-170, AS-171, AS-172, AS-173, AS-174, AS-183, AS-184, AS-300, AS-301, AS-302, AS-304, AS-310, AS-312, AS-314, AS-315, AS-316, AS-321, AS-322, AS-323, AS-331, AS-400, AS-401, AS-402, AS-403, AS-404, AS-405]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AS.103.1, 3.AS.103.2	HAP	External floating roof tank control requirements.
AS-104 ()(Multi-purpose Tank) [Other tanks referenced to these requirements AS-130, AS-140, AS-172, AS-184]	. See requirements for AS-029 when in MACT CC Group II service. See requirements for AS-103 when in MACT CC Group I service. See requirements for AS-144 when in sour water service.			
AS-111 (Heavy Liquids Tank)	See requirements for AS-029.			
AS-112 (Gasoline Tank)	See requirements for AS-103.			
AS-113 (Gasoline Tank)	See requirements for AS-103.			
AS-114 (Heavy Liquids Tank) [Other tanks	. NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
referenced to these requirements AS-196]	40 CFR 63.640(n)(7)	3.B.1.3; 3.AS.114.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AS-120, AS-121, AS-122, AS-123, AS-124 (Jet/Heavy Liquids Tanks)	See requirements for AS-029.			
AS-130 (Multi-purpose Tank)	See requirements for AS-104			
AS-131, AS-132, AS-133, AS-134 (Jet/Heavy Liquids Tanks)	See requirements for AS-029.			
AS-140 (Multi-Purpose Tanks)	See requirements for AS-104.			
AS-141 (Gasoline Tanks)	See requirements for AS-103.			
AS-142 (Gasoline Tank) [Other tanks referenced to these requirements AS-162, AS-165, AS-303, AS-305, AS-313]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(d)	3.B.3.3; 3.AS.142.1, 3.AS.142.2, 3.AS.142.3	HAP	External floating roof tank converted to an internal floating roof control requirements.
AS-143 (Gasoline Tank)	See requirements for AS-103.			
AS-144 (Recovered Oil Tank) [Other tanks referenced to these requirements AS-104, AS-130, AS-140, AS-172, AS-180, AS-181, AS-182, AS-184, AS-190,AS-191, AS-192, AS-193]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.351(a)(2)	3.B.2.1; 3.AS.144.1	HAP	Comply with 40 CFR Part 61, Subpart FF, by complying with the requirements in 40 CFR 60.112b(a)(2).
AS-150, AS-151, AS-152 (Gasoline Tanks)	See requirements for AS-103.			
AS-153	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
(Toluene Tank)	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
	Permit to Construct issued November 18, 1991.			
		3.B.5.2	Operational Restriction	Permittee shall operate in accordance with conditions in 40 CFR 60.112b.
AS-154 (Iso Octene Tank)	See requirements for AS-153.			
AS-160, AS-161 (Gasoline Tanks)	See requirements for AS-103			
AS-162 (Gasoline Tank)	See requirements for AS-142.			
AS-163 (Crystallizer Feed Tank)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AS.163.1	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel) 40 CFR 63.119(a)(3)	3.B.3.2; 3.AS.163.2	HAP	Recordkeeping only requirement, §63.123(a) (See Section 5).
AS-164 (Toluene/Mogas Blend Tank)	See requirements for AS-103			
AS-165 (Toluene/Mogas Blend Tank)	See requirements for AS-142			
AS-170, AS-171, , (Gasoline Tanks)	See requirements for AS-103			
AS-172 (Multi-purpose Tank)	See requirements for AS-104			
AS-173, AS-174 (Gasoline Tanks)	See requirements for AS-103			
AS-175 (Ethanol Tank)	NSPS for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced After July 23, 1984 – 40 CFR Part 60, Subpart K_b.			
	40 CFR 60.112b(a)(1)	3.B.1.2; 3.B.5.8; 3.AS.175.1	VOC	Fixed roof with an internal floating roof.
AS-180, AS-181 (Recovered Oil Tanks)	See requirements for AS-144			
AS-182 (Ballast Tank)	See requirements for AS-144			
AS-183 (Gasoline Tank)	See requirements for AS-103			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-184 (Multi-purpose Tank)	See requirements for AS-104.			
AS-190 (Recovered Oil Tank)	See requirements for AS-144			
AS-191 (Water Tank)	See requirements for AS-144			
AS-192 (Recovered Oil Tank)	See requirements for AS-144			
AS-193 (Water Tank)	See requirements for AS-144			
AS-194 (Gasoline Tank)	See requirements for AS-029			
AS-195 (Gasoline/ Components Tank)	NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.640(n)(5)	3.B.1.3; 3.AS.195.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
[Other tank referenced to these requirements AS-333]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AS.195.2, 3.AS.195.3	HAP	External floating roof tank control requirements.
AS-196 (Gasoline Tank)	See requirements for AS-114.			
AS-200 (Heavy Liquids Tank) [Other tanks referenced to these requirements AS-210,	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AS-204 (Heavy Liquids Tank)	NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			
	40 CFR 63.640(n)(7)	3.B.1.3; 3.AS.204.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	H_2S	1 grain per 100 standard cubic feet.
AS-205 (Heavy Liquids	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
Tank) [Other tanks referenced to these requirements AS-211, AS-212, AS-213, AS-214]	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	H_2S	1 grain per 100 standard cubic feet.
AS-210 (Heavy Liquids Tank)	See requirements for AS-200.			
AS-211 (Heavy Liquids Tank)	See requirements for AS-205.			
AS-212 (Heavy Liquids Tank)	See requirements for AS-205.			
AS-213 (Heavy Liquids Tank)	See requirements for AS-205.			
AS-214 (Heavy Liquids Tank)	See requirements for AS-205.			
AS-220 (Heavy Liquids Tank)	NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			
	40 CFR 63.640(n)(7)	3.B.1.3; 3.AS.220.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AS-300, AS-301, AS-302 (Gasoline Tanks)	See requirements for AS-103.			
AS-303 (Gasoline Tank)	See requirements for AS-142.			
AS-304 (Gasoline Tank)	See requirements for AS-103.			
AS-305 (Gasoline Tank)	See requirements for AS-142.			
AS-310, AS-312 (Gasoline Tanks)	See requirements for AS-103.			
AS-311 (Gasoline Tank) [Other tanks referenced to these requirements AS-320, AS-332]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AS.311.1, 3.AS.311.2	HAP	External floating roof tank control requirements.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
AS-313 (Gasoline Tank)	See requirements for AS-142.			
AS-314, AS-315, AS-316 (Gasoline Tanks)	See requirements for AS-103.			
AS-320 (Gasoline Tank)	See requirements for AS-311.			
AS-321, AS-322, AS-323 (Gasoline Tanks)	See requirements for AS-103.			
AS-324 (Heavy Liquids Tank)	See requirements for AS-029.			
AS-331 (Gasoline Tank)	See requirements for AS-103.			
AS-332 (Gasoline Tank)	See requirements for AS-311			
AS-333 (Gasoline Tank)	See requirements for AS-195.			
AS-340, AS-341, AS-342 (Benzene Tanks)	NSPS for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 – 40 CFR Part 60, Subpart K_b, and General Provisions, Subpart A.			
	40 CFR 63.110(b)(1)	3.B.1.2; 3.AS.340.1	HAP	Comply with 40 CFR Part 60, Subpart K_b , by complying with 40 CFR Part 63, Subpart G.
	NESHAP for Benzene Emissions from Benzene Storage Vessels – 40 CFR Part 61, Subpart Y, and General Provisions, Subpart A.			
	40 CFR 63.110(b)(2)	3.B.2.4; 3.AS.340.2	HAP	Comply with 40 CFR Part 61, Subpart Y, by complying with 40 CFR Part 63, Subpart G.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AS.340.3	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.119(a)(1), 40 CFR 63.119(d),	3.B.3.2; 3.AS.340.4, 3.AS.340.5	HAP	External floating roof tank converted to an internal floating roof control requirements.
AS-350, AS-351, AS-352, AS-353 (Heavy Liquids Tanks)	See requirements for AS-029.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AS-355 (Heavy Liquids Tank)	See requirements for AS-029.			
AS-360, AS-361 (Heavy Liquids Tanks)	See requirements for AS-029.			
AS-370, AS-371, AS-372, AS-373, AS-374 (Heavy Liquids Tanks)	See requirements for AS-029.			
AS-392 (D-3422)	See requirements for AS-029.			
AS-400 (Crude/ Recovered Oil Tank)	See requirements for AS-103.			
AS-401, AS-402, AS-403, AS-404, AS-405 (Crude Tanks)	See requirements for AS-103.			
AS-499, AS-500, AS-501 (Gasoline Tanks)	NSPS 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 Part 60, Subpart K_a, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.640(n)(5)	3.B.1.4; 3.AS.499.1	VOC	Comply with 40 CFR Part 60, Subpart K_a by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AS.499.2, 3.AS.499.3	HAP	External floating roof tank control requirements.
AS-502, AS-503, AS-504, AS-505, AS-506, AS-507, AS-508 (Heavy Liquids Tanks)	NSPS 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 Part 60, Subpart K_a, and General Provisions, Subpart A.			
	40 CFR 63.640(n)(7)	3.B.1.4; 3.AS.502.1	HAP	Comply with 40 CFR Part 60, Subpart K_a by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	H_2S	1 grain per 100 standard cubic feet.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AT-000	**Plant 35 Pipeways**			
AT-001 (Plant 35 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 and Group 2 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AT-004 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.AT.4.1, 3.AT.4.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.2; 3.AT.4.2	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart CC, comply with Part 63 Subpart CC.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.3; 3.AT.4.2	Benzene	For units subject to both Part 61, Subpart V and Part 63, Subpart CC, comply with Part 63 Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AT.4.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AT-005 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AT.5.1, 3.AT.5.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AT.5.3	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63, Subpart H.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AT.5.3	Benzene	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1, 3.AT.5.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AT.5.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AU-000	**Plant 36 Cooling Water System**			
AU-001 (Plant 36 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AU-361 (Cooling Tower)	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	VOC	0.7 lbs/MM gal of circulated water (12-month rolling average), not to exceed 10.12 TPY (12-month rolling total).
AV-000	**Plant 37 Acid & Marketing Areas**			
AV-001 (Wastewater Sump)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii);	3.B.2.1; 3.AV.1.1,	Benzene	Waste treatment requirements.
	Sump: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.AV.1.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AV.1.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AV.1.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AV.1.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AV.1.6		Required operation.
AV-003 (Plant 37 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AV-004 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.AV.4.1, 3.AV.4.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AV.4.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AV-005 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AV.5.1, 3.AV.5.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1, 3.AV.5.3	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AV.5.4	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AV-006 (Plant 37 Equipment Leaks – Ethanol Components)	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8; 3.AV.6.1	VOC	Leak definition: 500 ppmv for valves and pressure relief devices; 2,000 ppmv for pumps and compressors
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a).	3.AV.6.2	VOC	Incorporate equipment leak components into plan required for AC-003.
AV-047 (Spent Acid Tank)	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).	3.B.4.6	SO_2	500 ppm (volume).
AV-050 (Gasoline Tank) [Other tanks referenced to these requirements AV-052, AV-053, AV-054, AV-057, AV-060, AV-063]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AV.50.1, 3.AV.50.2	HAP	External floating roof tank control requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AV-051 (Xylenes Tank) [Other tanks referenced to these requirements AV-055, AV-056, AV-058, AV-059, AV-061**,** AV-062]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AV-052, AV-053, AV-054 (Gasoline Tanks)	See requirements for AV-050.			
AV-055, AV-056 (Heavy Liquids Tanks)	See requirements for AV-051.			
AV-057 (Gasoline Tank)	See requirements for AV-050.			
AV-058 (Heavy Liquids Tank)	See requirements for AV-051.			
AV-059 (Heavy Liquids Tank)	See requirements for AV-051.			
AV-060 (Gasoline Tank)	See requirements for AV-050.			
AV-061 (Heavy Liquids Tank)	See requirements for AV-051.			
AV-062 (Heavy Liquids Tank)	See requirements for AV-051.			
AV-063 (Gasoline Tank)	See requirements for AV-050.			
AV-080 (Ethanol Tank)	NSPS for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced After July 23, 1984 – 40 CFR Part 60, Subpart K_b.			
	40 CFR 60.112b(a)(1)	3.B.1.1; 3.B.5.8; 3.AV.80.1	VOC	Fixed roof with an internal floating roof.
AV-122 (PX Rail Car Loading)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AV.122.1	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 2 Transfer Rack) 40 CFR 63.126(c)	3.B.3.2; 3.AV.122.2	HAP	Recordkeeping requirements see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AV-3702 (Cellulosic Naphtha Storage)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(e)(1)	3.B.3.3 3.AV.3702.1 3.AV.3702.2	HAP	Closed-vent system controlled by a carbon canister.
AW-000	**Plant 38 Flares & Relief System**			
AW-001 (Plant 38 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AW-004 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.AW.4.1; 3.AW.4.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AW.4.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AW-005 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AW.5.1, 3.AW.5.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AW.5.3	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AW.5.3	Benzene	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63, Subpart H.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AW.5.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AW.5.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.
AW-381, AW-382, AW-383, AW-384 (Flares)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.11(b)(2), (6), (7), & (8)	3.B.3.3; 3.AW.381.1	HAP	Flare design requirements.
	40 CFR 63.11(b)(3)	3.AW.381.2	Operational Requirement	Continuous operation.
	40 CFR 63.11(b)(5)	3.AW.381.3		Pilot flame requirement.
	40 CFR 63.11(b)(4)	3.AW.381.4	Opacity	No visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours.
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 5/20/2009)	3.B.1.7; 3.B.5.10; 3.AW.381.5	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf). **(This only applies when operating as a fuel gas combustion device)**
	Permit to Construct issued May 20, 2009.			
		3.B.5.10; 3.AW.381.6	Operating Requirement	Fuel gas recovery system and flaring restrictions.
AW-591, AW-592 (Flares)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.11(b)(2), (6), (7), & (8)	3.B.3.3; 3.AW.591.1	HAP	Flare design requirements.
	40 CFR 63.11(b)(3)	3.AW.591.2	Operational Requirement	Continuous operation.
	40 CFR 63.11(b)(5)	3.AW.591.3		Pilot flame requirement.
	40 CFR 63.11(b)(4)	3.AW.591.4	Opacity	No visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours.
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 9/4/2008)	3.B.1.7; 3.B.5.9; 3.AW.591.5	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf). **(This only applies when operating as a fuel gas combustion device)**
	Permit to Construct issued September 4, 2008.			
		3.B.5.9; 3.AW.591.6	Operating Requirement	Fuel gas recovery system and flaring restrictions.
AW-757 (Flare)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.11(b)(2), (6), (7), & (8)	3.B.3.3; 3.AW.757.1	HAP	Flare design requirements.
	40 CFR 63.11(b)(3)	3.AW.757.2	Operational Requirement	Continuous operation.
	40 CFR 63.11(b)(5)	3.AW.757.3		Pilot flame requirement.
	40 CFR 63.11(b)(4)	3.AW.757.4	Opacity	No visible emissions, except for periods not to exceed 5 minutes during any two consecutive hours.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 9/4/2008)	3.B.1.7; 3.B.5.9; 3.AW.757.5	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
AX-000	**Plant 40 Light Ends Recovery (LER) II**			
AX-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AX.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
AX-002 (Plant 40 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AX-082 (Merox Regenerator Vent)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(2),	3.B.3.3; 3.AX.82.1,	HAP	Controlled by a furnace with organic HAP reduction of 98 weight percent or to 20 ppmv, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent.
	40 CFR 63.643(b)	3.AX.82.2		Introduce vent stream into the flame zone.
AX-083 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.AX.83.1	HAP	Controlled by a flare.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AY-000	**Plant 42 Utilities, PRCP**			
AZ-000	**Plant 45 Shipping**			
AZ-000	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8	VOC	Recordkeeping requirements only, see Section 5 of the permit.
AZ-001 (Marine Vessel Loading Berths 2 – 5)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	For Non-Benzene Loading (Group 1 Marine Tank Vessel Loading) 40 CFR 63.651(a)	3.B.3.3; 3.AZ.1.1,	HAP	Comply with 40 CFR Part 63, Subpart CC by complying with the requirements in 40 CFR Part 63, Subpart Y (§§ 63.560 through 63.567).
	40 CFR 63.562(b)(1),	3.AZ.1.2,		MACT required vapor collection.
	40 CFR 63.562(b)(2),	3.AZ.1.3,		MACT required 97 weight-percent HAP reduction.
	40 CFR 63.562(b)(6) & MDEQ letter dated October 29, 1999 (See Appendix E),	3.AZ.1.6,		Maintenance allowance.
	40 CFR 63.562(c)(2),	3.AZ.1.4,	VOC	RACT required vapor collection.
	40 CFR 63.562(c)(3),	3.AZ.1.5,		RACT required 95 weight-percent VOC reduction.
	40 CFR 63.562(c)(6) & MDEQ letter dated October 29, 1999 (See Appendix E)	3.AZ.1.6		Maintenance allowance.
	40 CFR 63.562(e)	3.AZ.1.7	VOC/HAP	Operation and maintenance requirements for air pollution control equipment and monitoring equipment.
	NESHAP for Benzene Emissions from Benzene Transfer Operations – 40 CFR Part 61, Subpart BB, and General Provisions A.			
	For Benzene Loading 40 CFR 63.560(d)(4);	3.B.2.5; 3.AZ.1.8,	Benzene	Comply with 40 CFR Part 61, Subpart BB, when loading Benzene.
	40 CFR 61.302(a)	3.AZ.1.9,		Required vapor collection.
	40 CFR 61.302(b)	3.AZ.1.10,		Control device (absorber) with 98 percent benzene emission removal.
	40 CFR 61.302(e)(2)(i)	3.AZ.1.11,		Marine vessel vapor tightness requirements.
	40 CFR 61.302(f), 40 CFR 61.302(g), 40 CFR 61.302(j), 40 CFR 61.302(k), 40 CFR 61.302(l)	3.AZ.1.12, 3.AZ.1.13, 3.AZ.1.14, 3.AZ.1.15, 3.AZ.1.16		Vapor collection system requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AZ-002 (Marine Vessel Loading Berth 6)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Marine Tank Vessel Loading) 40 CFR 63.651(a)	3.B.3.3; 3.AZ.2.1,	HAP	Comply with 40 CFR Part 63, Subpart CC by complying with the requirements in 40 CFR Part 63, Subpart Y. (§§63.560 thru 63.567)
	40 CFR 63.562(b)(1)	3.AZ.2.2,		MACT required vapor collection.
	40 CFR 63.562(b)(2)	3.AZ.2.3,		MACT required 97 weight-percent HAP reduction.
	40 CFR 63.562(b)(6) & MDEQ letter dated October 29, 1999 (See Appendix E),	3.AZ.2.6,		Maintenance allowance.
	40 CFR 63.562(c)(2)	3.AZ.2.4,	VOC	RACT required vapor collection.
	40 CFR 63.562(c)(3)	3.AZ.2.5,		RACT required 95 weight-percent VOC reduction.
	40 CFR 63.562(b)(6) & MDEQ letter dated October 29, 1999 (See Appendix E),	3.AZ.2.6,		Maintenance allowance.
	40 CFR 63.562(e)	3.AZ.2.7	VOC/HAP	Operation and maintenance requirements for air pollution control equipment and monitoring equipment.
AZ-003, AZ-004, AZ-005, AZ-006 (Wastewater Sumps) [Other emission units referenced to these requirements AZ-010, AZ-016, AZ-017, AZ-018, AZ-019]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii);	3.B.2.1; 3.AZ.3.1,	Benzene	Waste treatment requirements.
	Sump: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.AZ.3.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.AZ.3.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.AZ.3.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.AZ.3.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.AZ.3.6		Required operation.
AZ-007 (Plant 45 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
AZ-008 (Equipment Leaks)	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.2; 3.AZ.8.1	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart CC, comply with Part 63 Subpart CC.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.640(p)	3.B.2.3; 3.AZ.8.1	Benzene	For units subject to both Part 61, Subpart V and Part 63, Subpart CC, comply with Part 63 Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.AZ.8.2	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003 for additional requirements.
AZ-009 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.AZ.9.1, 3.AZ.9.2	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.AZ.9.3	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.AZ.9.3	Benzene	For units subject to both Part 61, Subpart V and Part 63, Subpart H, comply with Part 63, Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1, 3.AZ.9.4	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.AZ.9.5	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003 for additional requirements.
AZ-010 (Wastewater Sump)	See requirements for AZ-003.			
AZ-011 (PX/Benzene Product Tank)	NSPS for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 – 40 CFR Part 60, Subpart K_b, and General Provisions, Subpart A.			
	40 CFR 63.110(b)(1)	3.B.1.2; 3.AZ.11.1	HAP	Comply with 40 CFR Part 60, Subpart K_b, by complying with 40 CFR Part 63, Subpart G.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.AZ.11.2	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A. (Benzene Service only)			
	(Group 1 Storage Vessel) 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.2; 3.AZ.11.3	HAP	External floating roof control requirements.
	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A. (PX Service only)			
	40 CFR 63.2346(a)(3) & Table 2	3.B.3.10; 3.AZ.11.4,	HAP	Control requirements (40 CFR Part 63, Subpart WW – control level 2).
	40 CFR 63.1062(a)(2)	3.AZ.11.5,		Operate and maintain an external floating roof.
	40 CFR 63.1063(a)(1)(ii)(B)	3.AZ.11.6,		External floating roof seal requirements.
	40 CFR 63.1063(a)(2)	3.AZ.11.7,		Floating roof deck fittings requirements.
	40 CFR 63.1063(b)	3.AZ.11.8		Floating roof operating requirements.
	40 CFR 63.2350	3.AZ.11.9		General operating requirements.
AZ-012 (Xylenes Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
	40 CFR 63.2346(a)(3) & Table 2	3.B.3.10; 3.AZ.12.1,	HAP	Control requirements (40 CFR Part 63, Subpart WW – control level 2).
	40 CFR 63.1062(a)(1)	3.AZ.12.2,		Operate and maintain an internal floating roof.
	40 CFR 63.1063(a)(1)(i)(B)	3.AZ.12.3,		Internal floating roof seal requirements.
	40 CFR 63.1063(a)(2)	3.AZ.12.4,		Internal floating roof deck fittings requirements.
	40 CFR 63.1063(b)	3.AZ.12.5		Internal floating roof operating requirements.
	40 CFR 63.2350	3.AZ.12.7		General operating requirements.
AZ-014, AZ-015 (Sulfur Tanks)	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	SO_2	Gas stream incineration if greater than 1 grain per 100 standard cubic feet of H_2S.
AZ-016, AZ-017, AZ-018, AZ-019 (Wastewater Sumps)	See requirements for AZ-003.			
AZ-020 (Plant 45 Equipment Leaks – Ethanol Components)	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8; 3.AZ.20.1	VOC	Leak definition: 500 ppmv for valves and pressure relief devices; 2,000 ppmv for pumps and compressors
	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a).	3.AZ.20.2	VOC	Incorporate equipment leak components into plan required for AC-003.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
AZ-021 (Equipment Leaks)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
	40 CFR 63.2346(c)	3.AZ.21.1	HAP	Equipment leak requirements.
AZ-047 (Spent Acid Loading)	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).	3.B.4.6	SO_2	500 ppm (volume).
AZ-206, AZ-207 (Heavy Liquids Tanks)	NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			
	40 CFR 63.640(n)(7)	3.B.1.3; 3.AZ.206.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
AZ-208 (Crude Tank) [Other tanks referenced to these requirements AZ-406, AZ-407, AZ-408, AZ-409, AZ-412, AZ-422]	NSPS 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 Part 60, Subpart K, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.640(n)(5)	3.B.1.3; 3.AZ.208.1	HAP	Comply with 40 CFR Part 60, Subpart K by complying with 40 CFR Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Storage Vessel) 40 CFR 63.646(a); 40 CFR 63.119(a)(1), 40 CFR 63.119(c)	3.B.3.3; 3.AZ.208.2, 3.AZ.208.3	HAP	External floating roof tank control requirements.
AZ-406, AZ-407, AZ-408, AZ-409 (Crude Tanks)	See requirements for AZ-208.			
AZ-412 (Crude Tank)	See requirements for AZ-208.			
AZ-422 (Crude Tank)	See requirements for AZ-208.			
AZ-423 (Recovered Oil Tank)	NSPS 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 Part 60, Subpart K_a, and General Provisions, Subpart A.			
	40 CFR 60.112a(a)(1)	3.B.1.4; 3.AZ.423.1	HAP	External floating roof tank control requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.351(a)(2)	3.B.2.1; 3.AZ.423.2	HAP	Comply with 40 CFR Part 61, Subpart FF, by complying with the requirements in 40 CFR 60.112b(a)(2).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BB-000	**Plant 53 Paraxylene (PX) Complex**			
BB-001 (PRPU Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BB.1.1; 3.BB.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BB.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BB-002 (CMPU Equipment Leaks)	NSPS for Equipment Leaks of VOC in the SOCMI– 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.			
	40 CFR 60.480 40 CFR 63.160(b)(1)	3.B.1.1; 3.BB.2.1, 3.BB.2.3	VOC	Comply with 40 CFR Part 60, Subpart VV. For units subject to both Part 60, Subpart VV and Part 63, Subpart H, comply with Part 63, Subpart H.
	NSPS for Equipment Leaks of VOC in the SOCMI for which Construction, Reconstruction, or Modification Commenced After November 7, 2006 – 40 CFR Part 60, Subpart VVa, and General Provisions, Subpart A.			
	40 CFR 60.480a 40 CFR 63.160(b)(1)	3.B.1.12; 3.BB.2.2, 3.BB.2.3	VOC	Comply with 40 CFR Part 60, Subpart VVa. For units subject to both Part 60, Subpart VVa and Part 63, Subpart H, Comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks of Benzene – 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.2; 3.BB.2.4	Benzene	For units subject to both Part 61, Subpart J and Part 63, Subpart H, Comply with Part 63, Subpart H.
	NESHAP for Equipment Leaks – 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.			
	40 CFR 63.160(b)(2)	3.B.2.3; 3.BB.2.4	HAP	For units subject to both Part 61, Subpart V and Part 63, Subpart H, Comply with Part 63, Subpart H.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1, 3.BB.2.5	HAP	Comply with 40 CFR Part 63, Subpart H and SSM Plan requirements.
	NESHAP for Equipment Leaks – 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.			
	40 CFR 63.160(a)	3.B.3.4; 3.BB.2.6	HAP	Equipment leak provisions for chemical manufacturing process units. Also see AC-003.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8; 3.BB.2.7	VOC	Valve requirements.
BB-003 (CMPU, Maintenance Wastewater)	National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (SOCMI)- 40 CFR Part 63, Subpart F, and General Provisions –Subpart A.			
	Maintenance Wastewater Requirements 40 CFR 63.105	3.B.3.1; 3.BB.3.1	HAP	Startup, Shutdown, and Malfunction (SSM) Plan.
BB-004 (ISOM Process Wastewater) [Other systems referenced to these requirements BB-005]	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BB-005 (PX Process Wastewater)	See requirements for BB-004.			
BB-006 (RDU I Process Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BB-007 (CMPU, Heat Exchange Systems)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.104(b)(1) and (b)(3)	3.B.3.1; 3.BB.7.1,	HAP	Monitor cooling water monthly for 6 months and quarterly thereafter using an EPA-approved method to detect leaks.
	40 CFR 63.104(b)(4) and (b)(5)	3.BB.7.2,		Sample collection requirements.
	40 CFR 63.104(b)(6)	3.BB.7.3		Leak definition.
BB-031 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BB.31.1	HAP	Controlled by a flare.
BB-032 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BB.32.1	HAP	Controlled by a flare.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
	40 CFR 63.102	3.B.3.1; 3.BB.32.2	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 1 Process Vent) 40 CFR 63.113(a)(1)	3.B.3.2; 3.BB.32.3	HAP	Controlled by a flare.
BB-033 (Wastewater Tank)	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
		3.B.3.1	HAP	See AC-002 for requirements.
[Other emission units referenced to	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
these requirements	(CMPU Group 2 wastewater)	3.B.3.2	HAP	See AC-002 for requirements.
BB-035]	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii),	3.B.2.1; 3.BB.33.1,	Benzene	Waste treatment requirements.
	40 CFR 61.342(f);	3.BB.33.2,		Offsite waste treatment.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.BB.33.3,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.BB.33.4,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.BB.33.5,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.BB.33.6,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.BB.33.7		Required operation.
BB-035 (Wastewater Sump)	See requirements for BB-033.			
BB-070, BB-071, BB-072, BB-073,	NSPS for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 – 40 CFR Part 60, Subpart K_b, and General Provisions, Subpart A.			
BB-074, BB-075 (Xylenes Tanks)	40 CFR 63.110(b)(1)	3.B.1.2; 3.BB.70.1	VOC	Comply with 40 CFR Part 60, Subpart K_b, by complying with 40 CFR Part 63, Subpart G.
[Other emission units referenced to	NESHAP from the Synthetic Organic Chemical Manufacturing Industry – 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.			
these requirements BB-076, BB-077]	40 CFR 63.102	3.B.3.1; 3.BB.70.2	HAP	Comply with 40 CFR Part 63, Subpart G and SSM Plan requirements.
	NESHAP from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater – 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel) 40 CFR 63.119(a)(3)	3.B.3.2; 3.BB.70.3	HAP	Recordkeeping requirements, See Section 5.
BB-076 (Filtrate Tank)	See requirements for BB-070.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BB-077 (Xylenes Tank)	See requirements for BB-070.			
BB-128 (Fire Water Booster Pump)	NESHAP for Stationary Reciprocating Internal Combustion Engines – 40 CFR Part 63, Subpart ZZZZ, and General Provisions, Subpart A.			
	40 CFR 63.6590(a)(1)(ii)	3.B.3.9; 3.BB.128.1	HAP	No requirements.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.B.4.1	PM	0.6 lbs/MMBTU per hour heat input.
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-163 (Furnaces)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.163.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	4.02 lb/hr (3-hr rolling average), 14.10 TPY
			NO_x	0.037 lbs/MMBTU (365-day rolling average), not to exceed 8.92 lb/hr (3-hr rolling average) and 26.06 TPY
			CO	9.65 lb/hr (3-hr rolling average), 28.2 TPY
			Fuel	Refinery fuel gas[1].
			SO_2	9.88 lbs/hr (24-hour rolling average) and 22.54 TPY
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-165 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BB.165.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	3.40 lb/hr (3-hr rolling average), 14.89 TPY
			SO_2	10.45 lbs/hr (24-hour rolling average) and 23.80 TPY
			NO_x	0.037 lbs/MMBTU (365-day rolling average), not to exceed 9.44 lb/hr (3-hr rolling average) and 27.55 TPY
			CO	10.2 lb/hr (3-hr rolling average), 29.78 TPY
			Fuel	Refinery fuel gas[1].

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-170 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	40 CFR 60.662(a)	3.B.1.9; 3.BB.170.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(1)(ii) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.BB.170.2,	Operational Limitation	Bypass valve closed with a car-seal or lock and key. (Currently, no bypass valve exists on this vent.)
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.BB.170.3	Operational Limitation	Vent stream must be introduced with the primary fuel.
BB-174 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BB.174.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	5.24 lb/hr (3-hr rolling average), 18.35 TPY
			SO_2	12.90 lbs/hr (24-hour rolling average) and 29.36 TPY
			NO_x	0.037 lbs/MMBTU (365-day rolling average), not to exceed 11.64 lb/hr (3-hr rolling average) and 33.99 TPY
			CO	12.58 lb/hr (3-hr rolling average), 36.75 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-191 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.191.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	2.43 lb/hr (3-hr rolling average), 8.5 TPY
			SO_2	5.97 lbs/hr (24-hour rolling average) and 13.61 TPY
			NO_x	0.037 lbs/MMBTU (365-day rolling average), not to exceed 5.39 lb/hr (3-hr rolling average) and 15.72 TPY
			CO	5.83 lb/hr (3-hr rolling average), 17.04 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-192 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.192.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	2.27 lb/hr (3-hr rolling average), 7.97 TPY
			SO_2	5.58 lbs/hr (24-hour rolling average) and 12.71 TPY
			NO_x	0.037 lbs/MMBTU (365-day rolling average), not to exceed 5.04 lb/hr and 14.72 TPY
			CO	5.45 lb/hr (3-hr rolling average), 15.9 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.
BB-193 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.193.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.68 lb/hr (3-hr rolling average), 2.37 TPY
			SO_2	2.43 lbs/hr (24-hour rolling average) and 5.53 TPY
			NO_x	8.30 lb/hr (3-hr rolling average), 24.22 TPY
			CO	2.07 lb/hr (3-hr rolling average), 6.04 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BB-194 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.194.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.68 lb/hr (3-hr rolling average), 2.37 TPY
			SO_2	2.43 lbs/hr (24-hour rolling average) and 5.53 TPY
			NO_x	8.30 (3-hr rolling average), 24.22 TPY
			CO	2.07 lb/hr (3-hr rolling average), 6.04 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BB-195 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BB.195.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.33 lb/hr (3-hr rolling average), 1.14 TPY
			SO_2	1.19 lbs/hr (24-hour rolling average) and 2.70 TPY
			NO_x	4.05 lb/hr (3-hr rolling average), 11.83 TPY
			CO	1.01 lb/hr (3-hr rolling average), 2.93 TPY
			Fuel	Refinery fuel gas[1].
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BD-000	**Plant 59 H_2S I**			
BD-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BD.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BD-002 (Plant 59 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BD-005 (D-5970)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BD.5.1	HAP	Controlled by a flare.
BE-000	**Plant 61 Crude II**			
BE-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BE.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BE-002 (Plant 61 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BE-003 (Equipment Leaks from Fuel Gas System)	Permit to Construct issued on April 20, 2010.			
		3.B.5.12; 3.BE.3.1	VOC	Leak definitions for valves, pressure relief devices, pumps, and compressors

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BE-013 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BE.13.1	HAP	Controlled by a flare.
BE-201 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.
BE-203 (Organic Liquid Tank)	See requirements for BE-201.			
BE-211 (Process Heaters)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BE.211.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Permit to Construct issued April 20, 2010.			
		3.B.5.12;	PM/ PM_{10}	6.71 lbs/hr (3-hr block average) and 19.58 TPY
			SO_2	33.54 lbs/hr (24-hr rolling average) and 83.99 TPY
			NO_x	0.070 lb/MMBtu (365-day rolling average) not to exceed 63.00 lbs/hr and 183.96 TPY
			CO	375.00 lbs/hr (3-hr rolling average) and 166.02 TPY
			Opacity	40%
	For F-6102		Fuel	Refinery fuel gas[1].
	For F-6101	3.BE.211.2		Refinery Fuel Gas an/or Plant 40 Merox Regenerator Gas.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BF-000	**Plant 62 Isomax (ISO) II**			
BF-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BF.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BF-002 (Plant 62 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BF-017 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BF.17.1	HAP	Controlled by a flare.
BF-221, BF-222 (Furnaces)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BF.221.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	3.38 lbs/hr (24-hour rolling average) and 7.70 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BF-223 (Heater)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BF.223.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	2.98 lbs/hr and 8.71 TPY.
			SO_2	16.30 lbs/hr (24-hour rolling average) and 37.10 TPY.
			NO_x	7.95 lbs/hr and 23.21 TPY.
			CO	71.75 lbs/hr and 78.12 TPY
			Opacity	20% (6-minute average), except for one 6-minute period per hour of not more than 27%.
			Fuel	Refinery fuel gas[1].
	Permit to Construct issued September 4, 2008.			
	(Consent Decree)	3.B.5.9	Heat Input	287 MMBTU/hr (HHV), based on a 365-day rolling average.
			NO_x	0.037 lb/MMBTU (HHV), based on a 365-day rolling average.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).	3.B.4.4	SO_2	2.4 lbs/MMBTU per hour heat input.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BF-224 (Heater)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BF.224.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	6.77 lbs/hr (24-hour rolling average) and 15.40 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BG-000	**Plant 63 Reformate Distillation Unit (RDU) II**			
BG-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BG.1.1; 3.BG.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.BG.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BG-002 (Plant 63 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BH-000	**Plant 64 Hydrogen II**			
BH-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BH.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BH-002 (Plant 64 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BH-035 (Methanol Scrubber)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(2)	3.B.3.3; 3.BH.35.1	HAP	Organic HAP reduction of 98 weight percent or to 20 ppmv, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent.
BH-231 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BH.231.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	1.94 lbs/hr and 8.49 TPY.
			SO_2	44.90 lbs/hr (24-hour rolling average) and 102.19 TPY.
			NO_x	422.8 lbs/hr and 1852 TPY.
			CO	25.84 lbs/hr and 113.18 TPY.
			VOC	0.90 lbs/hr and 3.96 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BH-232 (Turbine)	NSPS for Stationary Gas Turbines – 40 CFR Part 60, Subpart GG, and General Provisions, Subpart A.			
	40 CFR 60.332(a)(2)	3.B.1.6; 3.BH.232.1,	NO_x	Allowable NO_x emission rate determined by STD = 0.015 (14.4)/Y + F.
	40 CFR 60.333(b)	3.BH.232.2	SO_2	Fuel sulfur content less than or equal to 0.8 percent by weight.
	Permit to Construct issued November 18, 1991.			
		3.B.5.2	PM	2.77 lbs/hr and 13.3 TPY
			NO_x	71.92 lbs/hr and 315 TPY
			CO	6.51 lbs/hr and 28.5 TPY
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BI-000	**Plant 165 Naphtha Hydrotreater (NHT) II**			
BI-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BI.1.1	HAP	Equipment leak provisions for petroleum refinery process units. See Also AC-003.
BI-002 (Plant 65 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BI-036 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BI.36.1	HAP	Controlled by a flare.
BI-245 (Heater)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BI.245.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.50 lbs/hr and 1.47 TPY
			SO_2	2.77 lbs/hr (24-hour rolling average) and 6.30 TPY
			NO_x	6.62 lbs/hr and 19.32 TPY
			CO	12.18 lbs/hr and 14.23 TPY
			VOC	0.36 lbs/hr and 1.06 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BI-246 (Reboiler)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BI.246.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	2.28 lbs/hr (24-hour rolling average) and 5.18 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BJ-000	**Plant 66 Gas Recovery Unit (GRU)**			
BJ-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BJ.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BJ-002 (Plant 66 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BJ-048 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BJ.48.1	HAP	Controlled by a flare.
BK-000	**Plant 67 Low Sulfur Diesel (LSD) Hydrofiner**			
BK-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BK.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BK-002 (Plant 67 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BK-076 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.
BK-086 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BK.86.1	HAP	Controlled by a flare.
BK-261 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1) (Consent Decree, PTC 12/9/2005)	3.B.1.7; 3.B.5.5; 3.BK.261.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	SO_2	4.31 lbs/hr (24-hour rolling average) and 9.80 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BL-000	**Plant 68 Treaters II**			
BL-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BL.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003 for additional requirements.
BL-002 (Plant 68 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BL-053, BL-054, BL-055, BL-056, BL-057 (Process Vents)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Miscellaneous Process Vent)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
BL-059 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BL.59.1	HAP	Controlled by a flare.
BN-000	**Plant 70 Light Straight Run (LSR) Splitter**			
BN-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BN.1.1; 3.BN.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BN.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BN-002 (Plant 70 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
		3.B.2.1	Benzene	See AC-002 for requirements.
BN-076 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BN.76.1	HAP	Controlled by a flare.
BO-000	**Plant 71 Dehexanizer**			
BO-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BO.1.1; 3.BO.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BO.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BO-002 (Plant 71 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BO-079 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BO.79.1	HAP	Controlled by a flare.
BP-000	**Plant 81 Residuum Desulphurization (RDS)**			
BP-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BP.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BP-002 (Plant 81 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BP-056 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BP.56.1	HAP	Controlled by a flare.
BP-077 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BP-511, BP-512, BP-513 (Furnaces)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BP.511.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM	0.005 lbs/MMBTU.
			SO_2	4.00 lbs/hr (24-hour rolling average) and 9.10 TPY.
			NO_x	125 ppmv @ 3% oxygen on a dry basis.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BQ-000	**Plant 83 Coker**			
BQ-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BQ.1.1; 3.BQ.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BQ.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BQ-002 (Plant 83 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BQ-067 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BQ.67.1	HAP	Controlled by a flare.
BQ-078 (Tank)	NSPS 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 Part 60, Subpart K_a, and General Provisions, Subpart A.			
	40 CFR 60.112a(a)(1)	3.B.1.4; 3.BQ.78.1	VOC	External floating roof requirements.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Storage Vessel)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BQ-521, BQ-522, BQ-523 (Furnaces)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BQ.521.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	2.27 lbs/hr and 6.64 TPY.
			SO_2	12.51 lbs/hr (24-hour rolling average) and 28.49 TPY.
			NO_x	29.93 lbs/hr and 87.40 TPY.
			CO	55.10 lbs/hr and 64.36 TPY.
			VOC	1.65 lbs/hr and 4.81 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BR-000	**Plant 84 Vacuum Distillation Unit (VDU)**			
BR-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BR.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BR-002 (Plant 84 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BR-080 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BR.80.1	HAP	Controlled by a flare.
BR-531 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BR.531.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	3.07 lbs/hr and 8.97 TPY.
			SO_2	16.90 lbs/hr (24-hour rolling average) and 38.50 TPY.
			NO_x	40.44 lbs/hr and 118.09 TPY.
			CO	74.44 lbs/hr and 86.95 TPY.
			VOC	2.22 lbs/hr and 6.49 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BS-000	**Plant 85 Coker Hydrodenitrifier (HDN)**			
BS-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BS.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BS-002 (Plant 85 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BS-083 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BS.83.1	HAP	Controlled by a flare.
BS-501 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BS.501.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.61 lbs/hr and 1.79 TPY
			SO_2	3.38 lbs/hr (24-hour rolling average) and 7.70 TPY
			NO_x	8.09 lbs/hr and 23.62 TPY
			CO	14.89 lbs/hr and 17.39 TPY
			VOC	0.44 lbs/hr and 1.30 TPY
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BS-502 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BS.502.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM	0.005 lbs/MMBTU.
			NO_x	125 ppmv @ 3% oxygen on a dry basis.
			SO_2	4.92 lbs/hr (24-hour rolling average) and 11.20 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BT-000	**Plant 86 Hydrogen III**			
BT-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BT.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BT-002 (Plant 86 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BT-088 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BT.88.1	HAP	Controlled by a flare.
BT-541 (Heater & Turbine)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	For F-8620 40 CFR 60.104(a)(1)	3.B.1.7; 3.BT.541.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	NSPS for Stationary Gas Turbines – 40 CFR Part 60, Subpart GG, and General Provisions, Subpart A.			
	For KGT-8650 40 CFR 60.332(j)	3.B.1.6; 3.BT.541.2	NO_x	NO_x exemption.
	40 CFR 60.333(b)	3.BT.541.3	SO_2	Fuel sulfur content less than or equal to 0.8 percent by weight.
	PSD Permit to Construct issued June 12, 2001.			
	For F-8650	3.B.5.1;	Fuel	Refinery fuel gas[1].
	For KGT-8650	3.BT.541.4	Operational Restriction	No more than 35% (volume) exhaust may be vented to the atmosphere.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	11.61 lbs/hr and 33.91 TPY.
			SO_2	49.32 lbs/hr (24-hour rolling average) and 113.27 TPY.
			NO_x	185.94 lbs/hr and 542.93 TPY.
			CO	270.26 lbs/hr and 305.86 TPY.
			Opacity	40%
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BT-542 (Furnace)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BT.542.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	PSD Permit to Construct issued May 8, 2007.			
		3.B.5.8	PM/ PM_{10}	0.425 lbs/hr and 1.24 TPY.
			SO_2	2.34 lbs/hr (24-hour rolling average) and 5.32 TPY.
			NO_x	5.59 lbs/hr and 16.32 TPY.
			CO	10.29 lbs/hr and 12.02 TPY.
			Opacity	40%
			Fuel	Refinery fuel gas[1].
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BT-544 (Process Vent)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Miscellaneous Process Vent)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
BU-000	**Plant 87 Alkylation II**			
BU-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.BU.1.1; 3.BU.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BU.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BU-002 (Plant 87 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BU-060 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	(When routing emissions to the fuel gas system) 40 CFR 60.662(a)	3.B.1.9; 3.BU.60.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(1)(ii) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.BU.60.2,		Bypass valve closed with a car-seal or lock and key.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.BU.60.3,		Vent stream must be introduced with the primary fuel.
	(When routing emissions to the flare) 40 CFR 60.662(b)	3.BU.60.4,		Controlled by a flare.
	40 CFR 60.663(b)(2)	3.BU.60.5		Required flow monitor.
BU-099 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BU.99.1	HAP	Controlled by a flare.
BV-000	**Plant 89 Fire Training**			
BW-000	**Plant 90 Sulfur Recovery Unit (SRU) IV**			
BW-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BW.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BW-002 (Plant 90 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
BW-014 (Tail Gas Vent)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(2)(ii)	3.B.1.7; 3.BW.14.1	Total Reduced Sulfur and H_2S	Emit less than or equal to 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of H_2S.
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1568(a)(1)	3.B.3.6, 3.BW.14.2	HAP	Subject to and shall comply with NSPS J
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(4).	3.B.4.7	SO_2	0.12 lbs of SO_2 per pound of Sulfur processed.
BW-018, BW-019 (Sulfur Tanks)	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	SO_2	1 grain per 100 scf.
BW-551 (Combustor)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BW.551.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BX-000	**Plant 91 Sulfur Recovery Unit (SRU) V**			
BX-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BX.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BX-002 (Plant 91 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BX-020 (Tail Gas Vent)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(2)(ii)	3.B.1.7; 3.BX.20.1	Total Reduced Sulfur and H_2S	Emit less than or equal to 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of H_2S.
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1568(a)(1)	3.B.3.6; 3.BX.20.2	HAP	Subject to and shall comply with NSPS J

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(4).	3.B.4.7	SO_2	0.12 lbs of SO_2 per pound of Sulfur processed.
BX-552 (Combustor)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BX.552.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BY-000	**Plant 92 Sulfur Recovery Unit (SRU) VI**			
BY-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.BY.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BY-002 (Plant 92 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
BY-025 (Tail Gas Vent)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(2)(ii)	3.B.1.7; 3.BY.25.1	Total Reduced Sulfur and H_2S	Emit less than or equal to 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of H_2S.
	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1568(a)(1)	3.B.3.6; 3.BY.25.2	HAP	Subject to and shall comply with NSPS J
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(4).	3.B.4.7	SO_2	0.12 lbs of SO_2 per pound of Sulfur processed.
BY-553 (Combustor)	NSPS for Petroleum Refineries – 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.			
	40 CFR 60.104(a)(1)	3.B.1.7; 3.BY.553.1	Fuel H_2S	H_2S fuel gas content less than or equal to 230 mg/dscm (0.10 gr/dscf).
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
BZ-000	**Plant 94 Amine Regeneration**			
BZ-001	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
(Equipment Leaks)	40 CFR 63.648	3.B.3.3; 3.BZ.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
BZ-014 (Relief Caustic Scrubber) [Other emission points referenced to these requirements BZ-031]	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.BZ.14.1	HAP	Controlled by a flare.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.B.4.5	H_2S	1 grain per 100 standard cubic feet.
BZ-015, BZ-016, BZ-017 (DEA Tanks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 2 Miscellaneous Process Vent)	3.B.3.3	HAP	Recordkeeping requirements only see Section 5.
BZ-031 (Relief Caustic Scrubber)	See requirements for BZ-014.			
CC-000	**Plant 95 Wastewater Treater**			
CC-002 (Plant 95 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
CC-032 (Treater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.CC.32.1	HAP	Controlled by a flare.
	PSD Permit to Construct issued June 12, 2001.			
		3.B.5.1, 3.CC.32.2	Ammonia	Temporary venting of ammonia gases controlled by a flare for a total of 720 hours in each consecutive 365-day period.
		3.CC.32.3		Venting rate of ammonia not to exceed 69.8 tons per day.
CC-033 (Blow Down Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.CC.33.1	HAP	Controlled by a flare.
CC-102 (S-95002)	Permit to Construct issued January 8, 2008, modified November 13, 2012.			
		3.B.5.13; 3.CC.102.1	H_2S	one grain per 100 standard cubic feet.
CC-197 (H_2S Feed Tank)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	40 CFR 61.351(a)(2)	3.B.2.1; 3.CC.197.1	Benzene	Waste stream requirements. External floating roof requirements.
CD-000	**Plant 112 Solid Waste Treatment Units**			
CD-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.CD.1.1	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003.
CD-002 (Plant 112 Wastewater)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
CD-112 (OSCAR Tank)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii);	3.B.2.1; 3.CD.112.1,	Benzene	Waste treatment requirements.
	Tank: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.CD.112.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.CD.112.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.CD.112.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.CD.112.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.CD.112.6		Required operation.
CE-000	**Plant 122 Iso Octene**			
CE-001 (Equipment Leaks)	NSPS for Equipment Leaks of VOC in Petroleum Refineries – 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.			
	40 CFR 60.590; 40 CFR 63.640(p)	3.B.1.5; 3.CE.1.1; 3.CE.1.2	VOC	Comply with 40 CFR Part 60, Subpart GGG. For units subject to both Part 60, Subpart GGG and Part 63, Subpart CC, comply with Part 63, Subpart CC.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.648	3.B.3.3; 3.CE.1.3	HAP	Equipment leak provisions for petroleum refinery process units. Also see AC-003 for additional requirements.
CE-002 (Plant 122	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
Wastewater)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
CE-021 (Process Vent)	NSPS for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations – 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.			
	(When routing emissions to the fuel gas system) 40 CFR 60.662(a)	3.B.1.9; 3.CE.21.1,	VOC	Reduce TOC by 98 weight-percent or to 20 ppmv by introducing the vent stream into the flame zone of the boiler or process heater.
	40 CFR 60.703(c)(2) (NSPS Subpart RRR per EPA approval letter on 2/19/2003, See Appendix C)	3.CE.21.2,		Vent stream must be introduced with the primary fuel.
	(When routing emissions to the flare) 40 CFR 60.662(b)	3.CE.21.3,		Controlled by a flare.
	40 CFR 60.663(b)(2)	3.CE.21.4		Required flow monitor.
CE-093 (Relief Drum)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(Group 1 Miscellaneous Process Vent) 40 CFR 63.643(a)(1)	3.B.3.3; 3.CE.93.1	HAP	Controlled by a flare.
CF-000	**Plant 208 Main Lab**			
CF-001 (Wastewater Sump)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
	40 CFR 61.342(c)(1)(ii),	3.B.2.1; 3.CF.1.1,	Benzene	Waste treatment requirements.
	Sump: 40 CFR 61.343(a)(1)(i)(A)&(B);	3.CF.1.2,		Non-Detect (less than 500 ppmv above background).
	Closed-vent and control device (carbon canister): 40 CFR 61.343(a)(1)(ii);	3.CF.1.3,		Closed-vent and control device requirements.
	40 CFR 61.349(a)(1)(i);	3.CF.1.4,		Non-Detect (less than 500 ppmv above background).
	40 CFR 61.349(a)(2)(ii);	3.CF.1.5,		95% control by weight for organics or 98% control by weight for benzene.
	40 CFR 61.349(b)	3.CF.1.6		Required operation.
CG-000	**Plant 5171 Pascagoula Marketing Terminal (PMT)**			
CG-001 (Plant 5171 Wastewater)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
CG-002 (Loading Racks)	NESHAP for Gasoline Distribution Facilities – 40 CFR Part 63, Subpart R, and General Provisions, Subpart A.			
	40 CFR 63.420(g)	3.B.3.7; 3.CG.2.1,	HAP	When subject to both 40 CFR Part 60, Subpart XX and this subpart, comply with the most stringent control requirements.
	40 CFR 63.422(a)	3.CG.2.2,		Comply with this subpart by complying with the requirements in 40 CFR Part 60, Subpart XX, 60.502 except for paragraphs (b), (c), and (j).
	40 CFR 63.422(b)	3.CG.2.3,		10 milligrams TOC per liter of gasoline loaded.
	40 CFR 63.422(c)	3.CG.2.4,		Cargo tank requirements (changes to §60.502(e) requirements).
	40 CFR 63.424(g)	3.CG.2.5,		Gasoline work practice standards.
	NSPS for Bulk Gasoline Terminals – 40 CFR Part 60, Subpart XX, and General Provisions, Subpart A.			
	40 CFR 60.502(a), 40 CFR 60.502(b),	3.B.1.8; 3.CG.2.6, 3.CG.2.7,	VOC	Vapor collection system requirements.
	40 CFR 60.502(d),	3.CG.2.8,		Loading rack requirements.
	40 CFR 60.502(e), 40 CFR 60.502(f), 40 CFR 60.502(g), 40 CFR 60.502(h),	3.CG.2.9, 3.CG.2.10, 3.CG.2.11, 3.CG.2.12,		Tank truck loading requirements.
	40 CFR 60.502(i)	3.CG.2.13		Vapor collection system requirement.
	Permit to Construct issued on April 22, 1999.			
	Until receipt of certification of construction below.	3.B.5.4	Throughput	300,000,000 gallons/year of gasoline (including aviation gasoline); 250,000,000 gallons/year of diesel; 30,000,000 gallons/year of jet fuel.
			TOC	10 milligrams TOC per liter of gasoline loaded.
	PSD Permit to Construct issued on May 8, 2007.			
	Beginning upon receipt of certification of construction for the Ethanol Blending Project.	3.B.5.8	Throughput	350,000,000 gallons/year of gasoline (including aviation gasoline); 250,000,000 gallons/year of diesel; 30,000,000 gallons/year of jet fuel.
CG-003 (Equipment Leaks)	PSD Permit to Construct issued on May 8,2007.			
		3.B.5.8; 3.CG.3.1	VOC	Leak definitions for valves, pressure relief devices, pumps, and compressors
CG-032, CG-033, CG-034, CG-037, CG-038 (Additive Tanks)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
CH-000	**Plant 79 Continuous Catalytic Reforming (CCR) Unit**			
CH-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.640(p)(2)	3.B.3.3; 3.CH.1.1	HAP	For units subject to both Part 60, Subpart GGGa and Part 63, Subpart CC, comply with Part 60, Subpart GGGa.
	NSPS for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 – 40 CFR Part 60, Subpart GGGa, and General Provisions, Subpart A.			
	40 CFR 60.592a(a);	3.B.1.13; 3.CH.1.2; 3.AC.3.1;	VOC	Comply with the requirements of §§60.482-1a to 60.482-10a no later than 180 days after initial startup. (The equipment leak plan required by Condition 3.AC.3.1 shall be updated to reflect the requirements of Subpart GGGa.)
	PSD Permit to Construct issued on May 8, 2007.			
		3.B.5.8; 3.CH.1.3; 3.CH.1.4	VOC	Valve and pump requirements. Leak definitions for valves, connectors, and pumps.
CH-002 (Plant 79 Wastewater)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NSPS for VOC Emissions from Petroleum Refinery Wastewater – 40 CFR Part 60, Subpart QQQ, and General Provisions, Subpart A			
	40 CFR 63.640(o)(1)	3.B.1.15; 3.CH.2.1;	VOC	Comply with the requirements of MACT CC per §63.640(o)(1).
CH-003 (Process Heaters)	NSPS for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 – 40 CFR Part 60, Subpart Ja, and General Provisions, Subpart A			
	40 CFR 60.102a(g)(1)(ii)	3.B.1.14; 3.CH.3.1;	Fuel H_2S	H_2S fuel gas content ≤ 162 ppmv (hourly 3-hour rolling average) and ≤ 60 ppmv (daily 365-day rolling average)
	40 CFR 60.102a(g)(2)(i)(A)	3.CH.3.2;	NO_x	40 ppmv (dry basis, corrected to 0% excess air) on a daily 30-day rolling average basis
	40 CFR 60.103a(c)(2)	3.CH.3.3	SO_2	Work practice standard to conduct root cause analysis and corrective action analysis for any emission limit exceedance that causes emissions of SO_2 in excess of 500 lb above the short-term H_2S emission limit listed in §60.102a(g)(1) for any 24-hour period.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8	SO_2	52.24 lbs/hr (24-hour rolling average) and 118.99 TPY
			NO_x	0.030 lb/MMBTU (12-month rolling average), not to exceed 38.25 lbs/hr (3-hour rolling average) and 111.69 TPY
			CO	50 ppmvd @ 3% O_2 (12-month rolling average), not to exceed 132.60 lbs/hr (3-hour rolling average) and 130.31 TPY
			Fuel	Refinery fuel gas[1].
		3.CH.3.4	Operating Standard	Startup, shutdown, and malfunction operation of the Ultra Low-NO_x burners.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
CH-004 (CRU)	NESHAP for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units – 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.			
	40 CFR 63.1567(a)(1) & Table 22	3.B.3.6; 3.CH.4.1,	Inorganic HAP (HCl)	97% reduction by weight or 10 ppmvd, corrected to 3% O_2
	40 CFR 63.1567(a)(2) & Table 23	3.CH.4.2,	Operating limit	Site specific operating limits for daily average temperature and weekly average chloride level on the sorben entering and leaving the adsorption system.
	40 CFR 63.1567(a)(3)	3.CH.4.3	Operating Standard	Prepare an operation, maintenance, and monitoring plan.
	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8;	NO_x	0.084 lbs/hr (3-hour rolling average) and 0.37 TPY
			CO	0.97 lbs/hr (3-hour rolling average) and 4.24 TPY .
		3.CH.4.4	Maintenance Allowance	Venting allowance for maintenance of the residual contaminant removal system.
CH-901 (Organic Liquid Tank)	NESHAP: Organic Liquids Distribution (Non-gasoline) – 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.			
		3.B.3.10	HAP	Recordkeeping requirements only, see Section 5.
CI-000	**Plant 80 Reformate Splitter Unit**			
CI-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.640(p)(2)	3.B.3.3; 3.CI.1.1	HAP	For units subject to both Part 60, Subpart GGGa and Part 63, Subpart CC, comply with Part 60, Subpart GGGa.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	NSPS for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 – 40 CFR Part 60, Subpart GGGa, and General Provisions, Subpart A.			
	40 CFR 60.592a(a);	3.B.1.13; 3.CI.1.2; 3.AC.3.1;	VOC	Comply with the requirements of §§60.482-1a to 60.482-10a no later than 180 days after initial startup. (The equipment leak plan required by Condition 3.AC.3.1 shall be updated to reflect the requirements of Subpart GGGa.)
	PSD Permit to Construct issued on May 8, 2007.			
		3.B.5.8; 3.CI.1.3, 3.CI.1.4	VOC	Valve and pump requirements. Leak definitions for valves, connectors, and pumps.
CI-002 (Plant 80 Wastewater)	NESHAP for Benzene Waste Operations – 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.			
		3.B.2.1	Benzene	See AC-002 for requirements.
	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	(PRPU Group 1 wastewater)	3.B.3.3	HAP	See AC-002 for requirements.
	NSPS for VOC Emissions from Petroleum Refinery Wastewater – 40 CFR Part 60, Subpart QQQ, and General Provisions, Subpart A			
	40 CFR 63.640(o)(1)	3.B.1.15; 3.CI.2.1;	VOC	Comply with the requirements of MACT CC per §63.640(o)(1).
CI-003 (Process Heaters)	NSPS for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 – 40 CFR Part 60, Subpart Ja, and General Provisions, Subpart A			
	40 CFR 60.102a(g)(1)(ii)	3.B.1.14; 3.CI.3.1;	Fuel H_2S	H_2S fuel gas content ≤ 162 ppmv (hourly 3-hour rolling average) and ≤ 60 ppmv (daily 365-day rolling average)
	40 CFR 60.102a(g)(2)(i)(A)	3.CI.3.2;	NO_x	40 ppmv (dry basis, corrected to 0% excess air) on a daily 30-day rolling average basis
	40 CFR 60.103a(c)(2)	3.CI.3.3	SO_2	Work practice standard to conduct root cause analysis and corrective action analysis for any emission limit exceedance that causes emissions of SO_2 in excess of 500 lb above the short-term H_2S emission limit listed in §60.102a(g)(1) for any 24-hour period.

Emission Point (Description)	Applicable Requirement	Condition Number	Pollutant/ Parameter	Limit/Standard
	PSD Permit to Construct issued May 8, 2007			
		3.B.5.8;	SO_2	9.83 lbs/hr (24-hour rolling average) and 22.40 TPY
			NO_x	0.030 lb/MMBTU (12-month rolling average), not to exceed 7.20 lbs/hr (3-hour rolling average) and 21.02 TPY.
			CO	50 ppmvd @ 3% O_2 (12-month rolling average), not to exceed 24.96 lbs/hr (3-hour rolling average) and 24.53 TPY
			Fuel	Refinery fuel gas[1].
		3.CI.3.4	Operating Standard	Startup, shutdown, and malfunction operation of the Ultra Low-NO_x burners.
	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants, 11 Miss. Admin. Code Pt. 2, Ch. 1.			
	11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b).	3.B.4.2	PM	$E = 0.8808 * I^{-0.1667}$
	11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.B.4.3	SO_2	4.8 lbs/MMBTU per hour heat input.
CJ-000	**Plant 23 Pressure Swing Adsorption (PSA) Unit**			
CJ-001 (Equipment Leaks)	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.			
	40 CFR 63.640(p)(2)	3.B.3.3; 3.CJ.1.1	HAP	For units subject to both Part 60, Subpart GGGa and Part 63, Subpart CC, comply with Part 60, Subpart GGGa.
	NSPS for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 – 40 CFR Part 60, Subpart GGGa, and General Provisions, Subpart A.			
	40 CFR 60.592a(a);	3.B.1.13; **3.CJ.1.2;** 3.AC.3.1;	VOC	Comply with the requirements of §§60.482-1a to 60.482-10a no later than 180 days after initial startup. (The equipment leak plan required by Condition 3.AC.3.1 shall be updated to reflect the requirements of Subpart GGGa.)
	PSD Permit to Construct issued on May 8, 2007.			
		3.B.5.8	VOC	Valve and pump requirements.
		3.CJ.1.3 3.CJ.1.4		Leak definitions for valves, connectors, and pumps.

[1] Refinery fuel gas means process off-gases, natural gas, or a mixture as supplied to the combustion devices. Refinery fuel gas, as burned, consists of process off-gases that are routed to a fuel mixer where they are supplemented with natural gas to maintain proper feed to the refinery fuel gas combustion devices. In addition, refinery fuel gas monitoring occurs after fuel blending in order to be representative of the fuel as burned.

[2] Emission limitations expressed as TPY shall be the 12-month rolling total, determined monthly, unless otherwise specified in this Table or other applicable requirement.

3.B. Applicable Standards and Federally-Enforceable Permits to Construct

3.B.1. New Source Performance Standards, 40 CFR Part 60

1. Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction or Modification Commenced After January 5, 1981, and on or before November 7, 2006, 40 CFR Part 60, Subpart VV, and General Provisions, Subpart A.

2. 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, 40 CFR 60, Subpart Kb, and General Provisions, Subpart A.

3. 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 Part 60, Subpart K, and General Provisions, Subpart A.

4. 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 Part 60, Subpart K_a, and General Provisions, Subpart A.

5. Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction or Modification Commenced after January 4, 1983, and on or before November 7, 2006, 40 CFR Part 60, Subpart GGG, and General Provisions, Subpart A.

6. Standards of Performance for Stationary Gas Turbines, 40 CFR Part 60, Subpart GG, and General Provisions, Subpart A.

7. Standards of Performance for Petroleum Refineries, 40 CFR Part 60, Subpart J, and General Provisions, Subpart A.

8. Standards of Performance for Bulk Gasoline Terminals, 40 CFR Part 60, Subpart XX, and General Provisions, Subpart A.

9. Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations, 40 CFR Part 60, Subpart NNN, and General Provisions, Subpart A.

10. Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes, 40 CFR Part 60, Subpart RRR, and General Provisions, Subpart A.

11. Standards of Performance for Industrial – Commercial – Institutional Steam Generating Units, 40 CFR Part 60, Subpart D_b, and General Provisions, Subpart A.

12. Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction or Modification Commenced after November 6, 2007, 40 CFR Part 60, Subpart VVa and General Provisions, Subpart A.

13. Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006, Subpart GGGa, and General Provisions, Subpart A.

14. Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007, Subpart Ja, and General Provisions, Subpart A.

15. Standars of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems, Subpart QQQ, and General Provisions, Subpart A.

16. Standards of Performance for Stationary Comprssion Ignition Internal Combustion Engines, Subpart IIII, and General Provisions, Subpart A.

3.B.2. National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61

1. National Emission Standards for Benzene Waste Operations, 40 CFR Part 61, Subpart FF, and General Provisions, Subpart A.

2. National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene, 40 CFR Part 61, Subpart J, and General Provisions, Subpart A.

3. National Emission Standards for Equipment Leaks (Fugitive Emission Sources), 40 CFR Part 61, Subpart V, and General Provisions, Subpart A.

4. National Emission Standards for Benzene Emission from Benzene Storage Vessels, 40 CFR Part 61, Subpart Y, and General Provisions, Subpart A.

5. National Emission Standards for Benzene Emissions from Benzene Transfer Operations, 40 CFR Part 61, Subpart BB, and General Provisions, Subpart A.

3.B.3. National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 63

1. National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry, 40 CFR Part 63, Subpart F, and General Provisions, Subpart A.

2. National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents , Storage Vessels, Transfer Operations, and Wastewater, 40 CFR Part 63, Subpart G, and General Provisions, Subpart A.

3. National Emission Standards for Organic Hazardous Air Pollutants from Petroleum Refineries, 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A.

4. National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, 40 CFR Part 63, Subpart H, and General Provisions, Subpart A.

6. National Emission Standards for Organic Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units, 40 CFR Part 63, Subpart UUU, and General Provisions, Subpart A.

7. National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), 40 CFR Part 63, Subpart R, and General Provisions, Subpart A.

8. National Emission Standards for Hazardous Air Pollutants: Site Remediation, 40 CFR Part 63, Subpart GGGGG, and General Provisions, Subpart A.

9. National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ, and General Provisions, Subpart A.

10. National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline), 40 CFR Part 63, Subpart EEEE, and General Provisions, Subpart A.

3.B.4. Specific Mississippi Air Emission Regulations

1. The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)**

2. The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations equal to or greater than 10 million BTU per hour heat input but less than 10,000 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship

$$E = 0.8808 * I^{-0.1667}$$

Where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour. **(Ref.: 11 Miss. Admin. Code Pt. 2, R.**

1.3.D(1)(b).)

3. The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)**

4. The maximum discharge of sulfur dioxide from any modified fuel burning unit whose generation capacity is less than 250 million BTU per hour and in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 2.4 pounds (measured as sulfur dioxide) per million BTU heat input. For the purposes of Section 4 of these regulations only, "modification" shall mean any physical change in an Air Contaminant Source which increases the amount of any air pollutant (to which a standard applies) emitted by such source or which results in the emission of any air pollutant (to which a standard applies) not previously emitted. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(3).)**

5. The permittee shall not cause or permit the emission of any gas stream which contains hydrogen sulfide in excess of one grain per 100 standard cubic feet. Gas streams containing hydrogen sulfide in excess of one grain per 100 standard cubic feet shall be incinerated at temperatures of not less than 1600^{o}F for a period of not less than 0.5 seconds, or processed in such manner which is equivalent to or more effective for the removal of hydrogen sulfide. Sulfur dioxide concentration limitations in the gas streams resulting from such incineration or processing shall be determined for each emission point on a case-by-case basis to insure that the resulting maximum ground level concentration of sulfur dioxide as determined by acceptable method or methods will be in compliance with National Ambient Air Quality Standards for sulfur dioxide. Testing to determine the productive capacity of new fields shall be exempted from emission limitation provisions of the paragraph of the regulation providing such testing has been previously negotiated and approved by the Mississippi Office of Pollution Control. This regulation shall not apply to sulfur recovery plants. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).)**

6. The permittee shall not cause or permit the emission of any gas containing sulfur oxides (measured as sulfur dioxide) in excess of 500 ppm (volume). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(1).)**

7. The permittee shall not cause or permit emissions of sulfur oxides, calculated as sulfur dioxide, from a sulfur recovery plant to exceed 0.12 pounds per pound of sulfur processed. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(4).))**

3.B.5. Federally-Enforceable Permits to Construct

1. Preventions of Significant Deterioration Construction Permit issued June 12, 2001, and modified January 6, 2003, April 14, 2003, August 20, 2004, and October 11, 2005. ("Clean Fuels Project")

2. Permit to Construct issued November 18, 1991.

3. Preventions of Significant Deterioration Construction Permit issued September 24, 1996, and modified April, 22, 1998, and May 8, 2003. ("PX/EB Project")

4. Permit to Construct issued April 22, 1999, and modified August 9, 2005. ("Pascagoula Marketing Terminal")

5. Permit to Construct issued December 9, 2005. (Consent Decree Permit for NSPS Subpart J Applicability)

6. Permit to Construct issued May 24, 2005 and modified February 7, 2007, and April 14, 2009. ("FCC/ Alky Project")

7. Preventions of Significant Deterioration Construction Permit issued October 20, 2006 and Modified May 20, 2009. ("Boiler Replacement Project")

8. Preventions of Significant Deterioration Construction Permit issued May 8, 2007, and modified March 12, 2008, September 28, 2009, and December 7, 2010. ("2007-2009 Refinery Improvements Project")

9. Permit to Construct issued September 4, 2008. (Consent Decree Permit for SRU II and III, F-1601, F-6250, and Flares 5 and 6)

10. Permit to Construct issued May 20, 2009. (Consent Decree Permit for Flares 1-4)

11. Prevention of Significant Deterioration Construction Permit issued April 14, 2009 ("Pascagoula Base Oil Project (PBOP)")

12. Permit to Construct issued April 20, 2010. ("Crude II NO_x Reduction Project Moderate Modification")

13. Permit to Construct issued January 8, 2008 and modified December 7, 2010 and November 13, 2012. ("Effluent Treatment System Project (ETP)")

Emission Point Specific Applicable Requirements

3.AC. AC-000, General Plant Emission Points

3.AC.2. Emission Point AC-002

1. The permittee shall for a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of §§63.133 through 63.147 of Subpart G wastewater provisions of this part shall comply as specified in paragraph 40 CFR 63.640(o)(2)(i) or (ii) of Subpart CC. Compliance with the provisions of §63.640(o)(2) shall constitute compliance with the requirements of Subpart G for that wastewater stream. **(Ref.: 40 CFR 63.640(o)(2))**

2. The permittee shall, for each Group 1 wastewater stream that meets the definition in §63.641, comply with the requirements of §§61.340 through 61.355 of 40 CFR Part 61, Subpart FF, except as provided for in §63.647(b). If required under Subpart FF to perform periodic measurements of benzene concentrations in wastewater, or to monitor process or control device operating parameters, the permittee shall operate in a manner consistent with the minimum or maximum (as appropriate) permitted concentration or operating parameter values. Operation of the process, treatment unit, or control device resulting in a measured value outside of the permitted limits shall constitute a violation of the emission standards. Failure to perform required leak monitoring for closed vent systems and control devices or failure to repair leaks within the time period specified in Subpart FF shall constitute a violation of the standard. **(Ref.: 40 CFR 63.647)**

3. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

4. The permittee, for each Group 1 and Group 2 wastewater stream that is also subject to the provisions of 40 CFR Part 61, subpart FF, shall comply with both the provisions of 40 CFR Part 63, Subpart G and the provisions of 40 CFR Part 61, subpart FF. Alternatively, the permittee may elect to comply with the provisions of §63.110(e)(1)(i) and §63.110(e)(1)(ii) which shall constitute compliance with the provisions of 40 CFR Part 61, Subpart FF. **(Ref.: 40 CFR 63.110(e))**

5. The total annual benzene quantity is the sum of the annual benzene quantity for each waste stream at the facility that has flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has annual average water content greater than 10 percent. The benzene quantity in a waste stream is to be counted only once without multiple counting if other waste streams are mixed with or generated from the original waste stream. Other specific requirements for calculating the total annual benzene waste quantity are identified in § 61.342(a)(1) through (4). **(Ref.: 40 CFR 61.342(a))**

6. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. For stream exemption procedures see §61.342(c)(2) and §61.342(c)(3)(ii). Stream exemption must be demonstrated at least once per year. **(Ref.: 40 CFR 61.342(c)(1)(ii), 40 CFR 61.342(c)(2) and (3)(ii))**

7. Rather than treating the waste onsite per §61.342(c)(1)(i), the permittee shall comply by transferring the waste offsite to another facility. The permittee when transferring the waste shall comply with the standards specified in §§61.343 through 61.347 for each waste management unit that receives or manages the waste prior to shipment, and shall include with each offsite shipment a notice stating that the waste contains benzene which is required to be managed and treated in accordance with the provisions of this subpart. **(Ref.: 40 CFR 61.342(f))**

8. For non-exempted streams, the permittee shall comply with the following requirements: (1) Each drain shall be equipped with water seal controls or a tightly sealed cap or plug; (2) Each junction box shall be equipped with a cover and may have a vent pipe. The junction box cover shall have a tight seal around the edge and shall be kept in place at all times, except during inspection and maintenance. The vent pipe shall be at least 3 feet in length and no larger than 4 inches in diameter. See §61.346(b)(2)(ii) for vent pipe control options; (3) Each sewer line shall not be open to the atmosphere and shall be covered or enclosed with no visible gaps or cracks in joints, seals, or other emission interfaces. **(Ref.: 40 CFR 61.346(b)(1), (2), & (3))**

3.AC.3. Emission Point AC-003

1. The permittee shall comply with equipment leak provisions by evaluating leaks on a **process unit** basis. For the purpose of this permit, detail of equipment leak applicability will be provided on a plant-by-plant basis. The equipment leak emission point found under each plant will contain a reference to all equipment leak applicability that can be found within the plant boundary. Details of the process units and which regulations apply shall be kept in an on-site equipment leaks plan that shall be made readily accessible upon request. The plan shall contain any information (such as process unit boundaries, equipment lists, monitoring frequencies, etc.) in accordance with the applicable regulation, and shall be maintained such that compliance with the equipment leak provisions can be readily determined. Also, the permittee shall comply with the leak detect and repair (LDAR) enhancements outlined in the Consent Decree entered June 27, 2005 until such time that those requirements are no longer applicable under the Consent Decree.

3.AD. AD-000, Plant 10, Olefin Splitter

3.AD.1. Emission Point AD-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC after the compliance dates specified in §63.640(h). **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AD.36. Emission Point AD-036

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall ensure that the vent stream is introduced into a boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2); See Appendix C, EPA Letter dated February 19, 2003)**

3.AD.60. Emission Point AD-060

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AE. AE-000, Plant 11, Crude I

3.AE.1. Emission Point AE-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC after the compliance dates specified in §63.640(h) . **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

4. For components in VOC service (as defined in §60.481a) the permittee shall use the following internal leak definitions for componenets in light liquid or gas/vapor service (as defined in §60.485a(e)), unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and and pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump and compressor. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.AE.4. Emission Point AE-004

1. The permittee shall equip the cooling tower with high-efficiency drift eliminators guaranteed by the manufacturer for a total liquid drift not to exceed 0.001 percent of the circulating water flow rate. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.AE.13. Emission Point AE-013

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AE.82. Emission Point AE-082

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AF. AF-000, Plant 12, Isomax (ISO) I

3.AF.1. Emission Point AF-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AF.21. Emission Point AF-021

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AF.24. Emission Point AF-024

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AF.25. Emission Point AF-025

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AF.26. Emission Point AF-026

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AF.98. Emission Point AF-098

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AG. AG-000, Plant 15, Rheniformer I/ Naphtha Hydrotreater (NHT) I

3.AG.1. Emission Point AG-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AG.41. Emission Point AG-041

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AG.42. Emission Point AG-042

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AG.43. Emission Point AG-043

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AG.63. Emission Point AG-063

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

2. The permittee shall control emissions of organic HAP's from catalytic reforming units using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.1566(a)(1)(i))**

3.AG.64. Emission Point AG-064

1. The permittee shall reduce uncontrolled emissions of HCl to a concentration of 30 ppmv (dry basis), corrected to 3 percent oxygen. The emission limitation applies during coke burn-off and catalyst rejuvenation. **(Ref.: 40 CFR 63.1567(a)(1) & Table 22)**

2. The permittee shall comply with the operating limit for HCl concentration in the catalyst regenerator exhaust gas established during the performance test. **(Ref.: 40 CFR 63.1567(a)(2) & Table 23)**

3. The permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements in §63.1574(f) and operate at all times according to the procedures in the plan. **(Ref.: 40 CFR 63.1567(a)(3))**

3.AH. AH-000, Plant 16, Fluidized-bed Catalytic Cracking (FCC)

3.AH.1. Emission Point AH-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AH.51. Emission Point AH-051

1. The permittee shall not emit sulfur dioxide in excess of 25 ppmvd at 0% oxygen (O_2) on a 365-day rolling average basis and 50 ppmvd at 0% oxygen (O_2) on a 7-day rolling average basis. **(Ref.: Permit to Construct issued May 24, 2005)**

2. The permittee shall not discharge or cause the discharge into the atmosphere any gases that contain carbon monoxide (CO) in excess of 500 ppmvd corrected to 0 percent oxygen (O_2) on a 1-hour average basis. CO emissions during periods of startup, shutdown, or malfunction shall not be used in determining compliance with this emission limit provided that the permittee implements good air pollution control practices to minimize CO emissions. **(Ref.: Permit to Construct issued December 9, 2005.)**

3. The permittee shall not discharge particulate matter (PM) in excess of 1.0 kg/Mg (1.0 lb/1,000 lb) of coke burn-off in the catalyst regenerator. **(Ref.: 40 CFR 60.102(a)(1))**

4. The permittee shall process in the fluid catalytic cracking unit only fresh feed that has total sulfur content no greater than 0.30 percent by weight determined daily on a 7-day rolling average basis. This standard shall apply at all times, including startup, shutdown, and malfunctions. **(Ref.: 40 CFR 60.104(b)(3), (c), & 60.108(b))**

5. The permittee shall not discharge or cause the discharge into the atmosphere any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis). **(Ref.: 40 CFR 60.103(a))**

6. The permittee shall not discharge gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period except during periods of startup, shutdown or malfunction. **(Ref.: 40 CFR 60.102(a)(2); 40 CFR 60.11(c))**

7. The permittee is subject to NSPS, Subpart J for particulate matter (PM), therefore, the permittee shall comply with NESHAP, Subpart UUU for metal HAP by complying with the PM requirements under Subpart J. **(Ref.: 40 CFR 63.1564(a)(1))**

8. The permittee is subject to NSPS, Subpart J for carbon monoxide (CO), therefore, the permittee shall comply with NESHAP, Subpart UUU for organic HAP by complying with the CO requirements under Subpart J. **(Ref.: 40 CFR 63.1565(a)(1))**

3.AH.52. Emission Point AH-52

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AH.71. Emission Point AH-071

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AI. AI-000, Plant 17, Alkylation I

3.AI.1. Emission Point AI-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AI.76. Emission Point AI-076

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AJ. AJ-000, Plant 18, Treaters I

3.AJ.1. Emission Point AJ-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AJ.86. Emission Point AJ-086

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AK. AK-000, Plant 20, Light Ends Recovery (LER) I

3.AK.1. Emission Point AK-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AK.79. Emission Point AK-079

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AL. AL-000, Plant 21, Boiler Plant

3.AL.104. Emission Point AL-104

1. The permittee shall not cause to be discharged into the atmosphere any gases that contain nitrogen oxides (expressed as NO_2) in excess of 0.10 lb/MMBTU heat input. Compliance with the emission limits is determined on a 30-day rolling average basis. The permittee shall comply with the NO_x emission limit at all times including periods of startup, shutdown, and malfunction. **(Ref.: 40 CFR 60.44b(a), (h), and (i))**

2. The CO ppmvd limit and the NO_x and PM/PM_{10} lb/MMBtu limits from the PSD Permit to Construction issued October 20, 2006, shall not apply during periods of startup or shutdown and when the boiler is operating at less than 50% of its rated capacity. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

3. Affected facilities that also meet the applicability requirements under Subpart J (Standards of Performance for Petroleum Refineries; §60.104) are subject to the PM and NOx standards under Part 60, Subpart Db and the SO_2 standards under Subpart J. **(Ref.: 40 CFR 60.40b(c))**

4. *[Reserved]*

5. The permittee shall, at all times when the boilers are in operation including periods of startup, shutdown, or malfunction, operate the Ultra-low NO_x burners, to the extent practicable, in a manner consistent with good air pollution control practices for minimizing NO_x, CO, and PM/PM_{10} emissions. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

6. The permittee shall not burn in any fuel gas combustion device any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis. **(Ref.: 40 CFR 60.102a(g)(1)(ii))**

7. *[Reserved]*

8. For each fuel gas combustion device subject to NSPS Subpart Ja, the permittee shall conduct a root cause analysis and corrective action analysis for any H_2S limit exceedance that causes emissions of SO_2 in excess of 500 lb above the short-term emission limit listed in §60.102a(g)(1) for any 24 hour period.. **(Ref.: 40 CFR 60.103a(c)(2))**

3.AL.106. Emission Point AL-106

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AM. AM-000, Plant 22, Hydrofiner

3.AM.1. Emission Point AM-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AM.93. Emission Point AM-093

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AM.111. Emission Point AM-111

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AN. AN-000, Plant 24, Aromax

3.AN.1. Emission Point AN-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC after the compliance dates specified in §63.640(h). **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AN.2. Emission Point AN-002

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102)**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AN.3. Emission Point AN-003

1. Maintenance wastewater requirements.

   (a) The permittee shall comply with the requirements of paragraphs (b) through (e) of this section for maintenance wastewaters containing those organic HAP's listed in table 9 of 40 CFR Part 63, Subpart G.

(b) The permittee shall prepare a description of maintenance procedures for management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdowns (i.e., routine maintenance).

The descriptions shall: (1) Specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities; (2) Specify the procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere; and (3) Specify the procedures to be followed when clearing materials from process equipment.

(c) The permittee shall modify and update the information required by paragraph (b) of this section as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure.

(d) The permittee shall implement the procedures described in paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.

(e) The permittee shall maintain a record of the information required by paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.
(Ref.: 40 CFR 63.105)

3.AN.6. Emission Point AN-006

1. The permittee shall comply with the heat exchange system requirements of 40 CFR 63.104(b) for each heat exchange system used to cool process equipment in a chemical manufacturing process unit. Whenever a leak is detected, the permittee shall comply with the requirements of 40 CFR 63.104(d). **(Ref.: 40 CFR 63.104(a))**
2. The permittee shall collect at least three sets of samples either at the cooling tower entrance and exit or any combinations of entrance and exit of heat exchangers. The concentration shall be corrected for the addition of any makeup water or for any evaporative losses, as applicable. **(Ref.: 40 CFR 63.104(b)(4) and (b)(5))**

3. Leak is detected if the exit mean concentration is found to be greater than the entrance mean using a one-sided statistical procedure at the 0.05 level of significance and the amount by which it is greater is at least 1 ppm or 10% of the entrance mean, whichever is greater. **(Ref.: 40 CFR 63.104(b)(6))**

3.AN.15. Emission Point AN-015

1. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

2. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

3. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

4. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

5. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AN.16. Emission Point AN-016

1. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

2. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

3. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

4. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

5. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AN.97. Emission Point AN-097

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

2. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart G for equipment leaks. **(Ref.: 40 CFR 63.102)**

3. The permittee of a Group 1 process vent shall reduce emission of organic HAP using a flare that meets the requirements of §63.11(b). The process vent stream cannot be a halogenated vent stream as defined in §63.111. **(Ref.: 40 CFR 63.113(a)(1))**

3.AN.98. Emission Point AN-098

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2); See Appendix C, EPA Letter Dated 2/19/2003)**

3.AN.99. Emission Point AN-099

1. The permittee shall, for a Group 1 process vent, that is also subject to 40 CFR 60, Subpart NNN, is required only to comply with the requirements of 40 CFR 63, Subpart G. **(Ref.: 40 CFR 63.110(d)(4),(6))**

3.AN.404. Emission Point AN-404

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.702(a))**

2. The permittee shall secure the bypass line valve in the closed position using a car-seal or a lock and key configuration. **(Ref.: 40 CFR 60.703(c)(1)(ii))**

3. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2))**

4. The permittee shall, for a Group 1 process vent, that is also subject to 40 CFR 60, Subpart RRR, comply only with the requirements of 40 CFR 63, Subpart G. **(Ref.: 40 CFR 63.110(d)(7),(9))**

3.AN.405. Emission Point AN-405

1. The permittee is exempt from all provisions of this subpart, except for §60.705(r), if the vent stream is routed to a distillation unit subject to NSPS, Subpart NNN and has no other releases to the air except for a pressure relief valve. **(Ref.: 40 CFR 60.700(c)(5))**

2. The permittee shall, for a Group 1 process vent, that is also subject to 40 CFR 60, Subpart RRR, comply only with the requirements of 40 CFR 63, Subpart G. **(Ref.: 40 CFR 63.110(d)(7),(9))**

3.AN.426. Emission Point AN-426

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.702(a))**

2. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2))**

3.AN.427. Emission Point AN-427

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2); See Appendix C, EPA Letter Dated 2/19/2003)**

3. The permittee shall combust the emissions in a flare that meets the requirements of §60.18. **(Ref.: 40 CFR 60.662(b))**

4. The permittee shall install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that provides a record of vent stream flow to the flare at least once every hour. The flow indicator shall be installed in the vent stream at a point closest to the flare and before being joined with any other vent stream. **(Ref.: 40 CFR 60.663(b)(2))**

3.AN.752. Emission Point AN-752

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AN.753. Emission Point AN-753

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AO. AO-000, Plant 27, H_2S II, Sulfur Recovery Units (SRU) II & III

3.AO.1. Emission Point AO-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AO.4. Emission Point AO-004

1. The permittee shall not discharge or cause the discharge of any gases into the atmosphere from any Claus sulfur recovery plant, consisting of an oxidation or reduction control system followed by incineration, containing in excess of 250 ppm by volume (dry basis) of SO_2 at zero percent excess air. **(Ref.: 40 CFR 60.104(a)(2)(i))**

2. The permittee is subject to NSPS, Subpart J for sulfur oxides (SO_x), therefore, the permittee shall comply with NESHAP, Subpart UUU for organic HAP by complying with the SO_x requirements under Subpart J. **(Ref.: 40 CFR 63.1568(a)(1))**

3.AO.13. Emission Point AO-013

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AO.198. Emission Point AO-198

1. The permittee shall for each storage vessel which contains a petroleum liquid with a true vapor pressure equal to or greater than 10.3 kPa (1.5 psia) but not greater than 76.6 kPa (11.1 psia) shall equip the storage vessel with an external floating roof which complies with the requirements in §60.112a(a)(1). **(Ref.: 40 CFR 60.112a(a)(1))**

3.AP. AP-000, Plant 29, Ethylbenzene Complex

3.AP.1. Emission Point AP-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AP.2. Emission Point AP-002

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102)**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AP.3. Emission Point AP-003

1. Maintenance wastewater requirements.

   (a) The permittee shall comply with the requirements of paragraphs (b) through (e) of this section for maintenance wastewaters containing those organic HAP's listed in table 9 of 40 CFR Part 63, Subpart G.

(b) The permittee shall prepare a description of maintenance procedures for management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdowns (i.e., routine maintenance). The descriptions shall: (1) Specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities; (2) Specify the procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere; and (3) Specify the procedures to be followed when clearing materials from process equipment.

(c) The permittee shall modify and update the information required by paragraph (b) of this section as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure.

(d) The permittee shall implement the procedures described in paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.

(e) The permittee shall maintain a record of the information required by paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.

(Ref.: 40 CFR 63.105)

3.AP.6. Emission Point AP-006

1. The permittee shall comply with the heat exchange system requirements of 40 CFR 63.104(b) for each heat exchange system used to cool process equipment in a chemical manufacturing process unit. Whenever a leak is detected, the permittee shall comply with the requirements of 40 CFR 63.104(d). **(Ref.: 40 CFR 63.104(a))**

2. The permittee shall collect at least three sets of samples either at the cooling tower entrance and exit or any combinations of entrance and exit of heat exchangers. The concentration shall be corrected for the addition of any makeup water or for any evaporative losses, as applicable. **(Ref.: 40 CFR 63.104(b)(4) and (b)(5))**

3. Leak is detected if the exit mean concentration is found to be greater than the entrance mean using a one-sided statistical procedure at the 0.05 level of significance and the amount by which it is greater is at least 1 ppm or 10% of the entrance mean, whichever is greater. **(Ref.: 40 CFR 63.104(b)(6))**

3.AP.18. Emission Point AP-018

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

2. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102)**

3. The permittee of a Group 1 process vent shall reduce emission of organic HAP using a flare that meets the requirements of §63.11(b). The process vent stream cannot be a halogenated vent stream as defined in §63.111. **(Ref.: 40 CFR 63.113(a)(1))**

3.AP.123. Emission Point AP-123

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2), EPA Letter Dated 2/19/2003)**

3.AP.125. Emission Point AP-125

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

3.AP.225. Emission Point AP-225

1. The permittee is exempt from all provisions of this subpart, except for §60.705(r), if the vent stream is routed to a distillation unit subject to NSPS, Subpart NNN and has no other releases to the air except for a pressure relief valve. **(Ref.: 40 CFR 60.700(c)(5))**

2. The permittee shall secure the bypass line valve in the closed position using a car-seal or a lock and key configuration. **(Ref.: 40 CFR 60.703(c)(1)(ii), EPA Letter Dated 2/19/2003)**

3. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2), EPA Letter Dated 2/19/2003)**

3.AQ. AQ-000, Plant 32, Effluent Treating System, Utilities

3.AQ.1. Emission Point AQ-001

1. The permitee shall monitor the valves and pumps in VOC service (as defined in 60.481a) for equipment leaks of VOC. The permitee shall use the following internal leak definitions for components in light liquid or gas/vapor service (as defined in 60.485a(e)), unless specified more stringent in an applicable federal standard, a leak shall be defined as equal to or greater than 500 ppmv VOC for each valve and as equal to or greater than 2000 ppm VOC for each pump. **(Ref.: Permit to Construct issued January 8, 2008, revised November 13, 2012)**

3.AQ.40. Emission Point AQ-040

1. The permittee shall, for portions of the oil-water separator where it is infeasible to construct and operate a floating roof, install and operate a fixed roof vented to a vapor control device (carbon canister) that meets the requirements in §§61.347 and 61.349. **(Ref.: 40 CFR 61.352(b))**

2. The permittee shall install, operate, and maintain a fixed roof and closed vent system that routes all organic vapors vented from the oil-water separator to a control device (carbon canister). **(Ref.: 40 CFR 61.347(a)(1))**

3. The cover and all openings of the fixed roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. Each opening shall be maintained in a closed, sealed position at all times that waste is in the oil-water separator except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.347(a)(1)(i)(A) & (B))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

7. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

8. The permittee, for each Group 1 and Group 2 wastewater stream that is also subject to the provisions of 40 CFR Part 61, subpart FF, shall comply with both the provisions of 40 CFR Part 63, Subpart G and the provisions of 40 CFR Part 61, subpart FF. **(Ref.: 40 CFR 63.110(e))**

9. For Group 2 wastewater streams, the permittee shall comply with the applicable recordkeeping and reporting requirements of §63.146(b)(1) and 63.147(b)(8). **(Ref.: 40 CFR 63.132(a)(3))**

10. The permittee shall for a Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of §§63.133 through 63.147 of Subpart G wastewater provisions of this part shall comply as specified in paragraph 40 CFR 63.640(o)(2)(i) of Subpart CC. Compliance with the provisions of §63.640(o)(2) shall constitute compliance with the requirements of Subpart G for that wastewater stream. **(Ref.: 40 CFR 63.640(o)(2))**

11. The permittee shall, for each Group 1 wastewater stream that meets the definition in §63.641, comply with the requirements of §§61.340 through 61.355 of 40 CFR Part 61, Subpart FF, except as provided for in §63.647(b). If required under Subpart FF to perform periodic measurements of benzene concentrations in wastewater, or to monitor process or control device operating parameters, the permittee shall operate in a manner consistent with the minimum or maximum (as appropriate) permitted concentration or operating parameter values. Operation of the process, treatment unit, or control device resulting in a measured value outside of the permitted limits shall constitute a violation of the emission standards. Failure to perform required leak monitoring for closed vent systems and control devices or failure to repair leaks within the time period specified in Subpart FF shall constitute a violation of the standard. **(Ref.: 40 CFR 63.647)**

3.AQ.41. Emission Point AQ-041

1. The permittee shall, as an alternative to the standards for oil-water separators in §61.347, comply using a floating roof meeting the requirements in §60.693-2(a). **(Ref.: 40 CFR 61.352(a)(1))**

3.AQ.51. Emission Point AQ-051

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AQ.54. Emission Point AQ-054

1. This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ and is defined as an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions. There are currently no requirements for these units under this subpart. **(Ref.: 40 CFR 63.6590(a)(1)(ii))**

3.AQ.60. Emission Point AQ-060

1. The permittee shall exempt a waste stream from the management and treatment requirements of §61.342(c)(1) by demonstrating initially and thereafter, at least once per year that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw as determined by the procedures specified in §61.355(c)(2). **(Ref.: 40 CFR 61.342(c)(2))**

3.AQ.65. Emission Point AQ-065

1. The permittee shall exempt a waste stream from the management and treatment requirements of §61.342(c)(1) by demonstrating initially and thereafter, at least once per year that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw as determined by the procedures specified in §61.355(c)(2). **(Ref.: 40 CFR 61.342(c)(2))**

3.AQ.100. Emission Point AQ-100

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The permittee shall secure any byass line valve in the closed position with a car-seal or lock-and-key type configuration. **(Ref.: 40 CFR 61.349(a)(1)(ii)(B))**

6. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

7. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

8. The permittee shall develop and implement an H_2S Monitoring Plan to demonstrate compliance with the standard of one grain per 100 standard cubic feet found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).. **(Ref.: Permit to Construct issued January 8, 2008 revised November 13, 2012)**

3.AQ.110. Emission Points AQ-110, AQ-120, and AQ-130

1. *[Reserved]*

2. The permittee may, as an alternative to the standards for tanks specified in §61.343 of Subpart FF, elect to comply with the requirements for an external floating roof in 40 CFR 60.112b(a)(2). **(Ref.: 40 CFR 61.351(a)(2))**

3. *[Reserved]*

3.AQ.154. Emission Point AQ-154

1. The permittee shall exempt a waste stream from the management and treatment requirements of §61.342(c)(1) by demonstrating initially and thereafter, at least once per year that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw as determined by the procedures specified in §61.355(c)(2). **(Ref.: 40 CFR 61.342(c)(2))**

3.AQ.200. Emission Point AQ-200

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The permittee shall secure any byass line valve in the closed position with a car-seal or lock-and-key type configuration. **(Ref.: 40 CFR 61.349(a)(1)(ii)(B))**

6. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

7. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

8. . The permittee shall develop and implement an H2S Monitoring Plan to demonstrate compliance with the standard of one grain per 100 standard cubic feet found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).. **(Ref.: Permit to Construct issued January 8, 2008 revised November 13, 2012)**

3.AQ.220. Emission Point AQ-220

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The permittee shall secure any byass line valve in the closed position with a car-seal or lock-and-key type configuration. **(Ref.: 40 CFR 61.349(a)(1)(ii)(B))**

6. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

7. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

8. The permittee shall develop and implement an H2S Monitoring Plan to demonstrate compliance with the standard of one grain per 100 standard cubic feet found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).. **(Ref.: Permit to Construct issued January 8, 2008 revised November 13, 2012)**

3.AQ.460. Emission Point AQ-460

1. The permittee shall exempt a waste management unit from the requirements of §61.348(b)(1) if the permittee can demonstrate that the unit meets the following conditions initially, and, thereafter, at least once per year:

   (a) The benzene content of each waste stream entering the waste management unit is less than 10 ppmw on a flow-weighted annual average basis as determined by the procedures specified in §61.355(c); and

   (b) The total annual benzene quantity contained in all waste streams managed or treated in exempt waste management units comprising the facility wastewater treatment systems is less than 1 Mg/yr (1.1 ton/yr). For this determination, total annual benzene quantity shall be calculated in accordance with §61.348(b)(2)(ii)(A)-(B).

   (Ref.: 40 CFR 61.348(b)(2))

3.AQ.32201.Emission Points AQ-32201A/B, 32202A/B, 32203A/B, 32204A/B

1. The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ). Emission Points AQ-32201A/B, 32202A/B, 32203A/B, 32204A/B are new emergency compression ignition stationary RICE less than 500 HP located at a major source of HAP emissions; therefore, compliance with Subpart ZZZZ is achieved by meeting all applicable requirements of the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII.

   (Ref.: 40 CFR 63.6590(c)(6))

2. The permittee is subject to and shall comply with the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII) and the General Provisions (40 CFR 60, Subpart A).

   (Ref.: 40 CFR 60.4200(a)(2)(ii))

3. The permittee shall operate and maintain the fire water pump engines to achieve the following emission standards over the entire life of the engines.

   (a) The permittee shall not discharge any gases containing a sum of nonmethane hydrocarbon and nitrogen oxides in excess of 3.0 grams/horsepower-hour.

   (b) The permittee shall not discharge any gases containing particulate matter in excess of 0.15 grams/horsepower-hour.

   (Ref.: 40 CFR 60.4205(c) and Subpart IIII, Table 4)

4. The permittee must purchase and fire diesel fuel that meets the following requirements.

   (a) Maximum sulfur content of 15ppm

   (b) Minimum cetane index of 40 or maximum aromatic content of 35 volume percent

   (Ref.: 40 CFR 60.4207(b), Subpart IIII and 80.510(b))

5. The permittee must follow the work practices listed below.

   (a) Operate and maintain the engine and any associated control devices according to the manufacturer's emission–related written instructions;

   (b) Change only those emission-related settings that are permitted by the manufacturer; and

   (c) Meet the applicable requirements of 40 CFR, Parts 89 and/or 1068

   (Ref.: 40 CFR 60.4211(a), Subpart IIII)

6. The permittee shall operate the emergency stationary RICE according to the following requirements. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per calendar year is prohibited. If the engine(s) is not operated according to these requirements, the engine(s) will not be considered an emergency engine(s) under this subpart and shall meet all requirements for non-emergency engines.

   (a) There is no time limit on the use of emergency stationary RICE in emergency situations.

   (b) The permittee may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are

recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to a maximum of 100 hours per calendar year. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(c) The permittee may operate the emergency stationary RICE up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(Ref.: 40 CFR 60.4211(f), Subpart IIII)

3.AR. AR-000, Plant 33, Coke Conveyor and Storage Emission Points

3.AR.2. Emission Point AR-002

1. The permittee shall apply adequate water or chemical dust suppressants to the coke pile and transfer points to prevent the discharge in the atmosphere of visible emissions in excess of 0% opacity and to prevent dust loss from coke transfer, pile building, and wind effects. **(Ref.: PSD Permit to Construct issued June 12, 2001.)**

3.AS. AS-000, Plant 34, Blending Plant Emission Points

3.AS.3. Emission Point AS-003

1. For components in ethanol service, the permittee shall use the following internal leak definitions unless specified more stringent in an applicable federal standard:

   (a) No greater than 500 pmmv VOC for each valve and pressure relief device.

   (b) No greater than 2,000 ppmv VOC for each pump and compressor.

   (Ref.: PSD Permit to Construct issued May 8, 2007)

2. The permittee shall incorporate the equipment leak components in ethanol service in Plant 34 into the plan required for AC-003, Condition 3.AC.3.1 of this permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a).)

3.AS.4. Emission Point AS-004

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AS.8. Emission Point AS-008

1. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

2. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AS.9. Emission Point AS-009

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102(a))**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AS.10. Emission Point AS-010

1. The permittee shall not operate the cooling towers more than six (6) months in any 12-month period. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.AS.14. Emission Point AS-014

1. The permittee shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AS.19. Emission Point AS-019

1. This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ and is defined as an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions. There are currently no requirements for these units under this subpart. **(Ref.: 40 CFR 63.6590(a)(1)(ii))**

3.AS.35. Emission Point AS-035

1. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

2. The permittee shall, for each Group 1 storage vessel storing a liquid for which the maximum true vapor pressure of the total organic HAP's in the liquid is less than 76.6 kilopascals, reduce HAP emissions to the atmosphere by operating and maintaining a fixed roof and internal floating roof in accordance with §63.119(b). **(Ref.: 40 CFR 63.119(a)(1))**

3.AS.70. Emission Point AS-070

1. The permittee shall, as an alternative to the standards for tanks specified in §61.343 of Subpart FF, comply with the requirements for a fixed roof and internal floating roof in 40 CFR 60.112b(a)(1). **(Ref.: 40 CFR 61.351(a)(1))**

3.AS.72. Emission Point AS-072

1. A waste stream is exempt from §61.342(c)(1) if the permittee demonstrates initially and annually thereafter that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw as determined by the procedures specified in §61.355(c)(2) or §61.355(c)(3). **(Ref.: 40 CFR 63.342(c)(2))**

3.AS.103. Emission Point AS-103

1. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

2. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AS.114. Emission Point AS-114

1. The permittee shall, for a Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(7))**

3.AS.142. Emission Point AS-142

1. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

2. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating and maintaining an external floating roof converted to an internal floating roof in accordance with §63.119(d). **(Ref.: 40 CFR 63.119(a)(1))**

3. The permittee who elects to use an external floating roof converted to an internal floating roof (i.e., fixed roof installed above external floating roof) shall comply with the requirements for internal floating roof vessels specified in §63.119(b) and comply with the requirements for deck fittings that are specified in §63.119(c)(2). **(Ref.: 40 CFR 63.119(d))**

3.AS.144. Emission Point AS-144

1. The permittee may, as an alternative to the standards for tanks specified in §61.343 of Subpart FF, elect to comply with the requirements for an external floating roof in 40 CFR 60.112b(a)(2). **(Ref.: 40 CFR 61.351(a)(2))**

3.AS.163. Emission Point AS-163

1. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

2. The permittee shall, for each Group 2 storage vessel, comply with the recordkeeping requirement in §63.123(a) and is not required to comply with any other provisions in §§63.119 through 63.123. **(Ref.: 40 CFR 63.119(a)(3))**

3.AS.175. Emission Point AS-175

1. The permittee shall, for each storage vessel either with a design capacity greater than or equal to 151 m^3 containing a VOL that as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, equipped with a fixed roof in combination with an internal floating roof, meet the specifications in §60.112b(a)(1)(i) through (ix). **(Ref.: 40 CFR 60.112b(a)(1))**

3.AS.195. Emission Point AS-195

1. The permittee shall, for a Group 1 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(5))**

2. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

3. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AS.204. Emission Point AS-204

1. The permittee shall, for a Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(7))**

3.AS.220. Emission Point AS-220

1. The permittee shall, for a Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(7))**

3.AS.311. Emission Point AS-311

1. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

2. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AS.340. Emission Point AS-340

1. The permittee shall, for a Group 1 and Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K_b, comply only with the provisions of 40 CFR Part 63, Subpart G. **(Ref.: 40 CFR 63.110(b)(1))**

2. The permittee shall, for a Group 1 storage vessel that is also subject to 40 CFR Part 61, Subpart Y, comply only with the provisions of 40 CFR Part 63, Subpart G. **(Ref.: 40 CFR 63.110(b)(2))**

3. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

4. The permittee shall, for each Group 1 storage vessel storing a liquid for which the maximum true vapor pressure of the total organic HAP's in the liquid is less than 76.6 kilopascals, reduce HAP emissions to the atmosphere by operating and maintaining an external floating roof converted to an internal floating roof in accordance with §63.119(d). **(Ref.: 40 CFR 63.119(a)(1))**

5. The permittee who elects to use an external floating roof converted to an internal floating roof (i.e., fixed roof installed above external floating roof) shall comply with the requirements for internal floating roof vessels specified in §63.119(b) and comply with the requirements for deck fittings that are specified in §63.119(c)(2). **(Ref.: 40 CFR 63.119(d))**

3.AS.499. Emission Point AS-499

1. The permittee shall, for a Group 1 storage vessel that is also subject to 40 CFR Part 60, Subpart K_a, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(5))**

2. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

3. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AS.502. Emission Point AS-502

1. The permittee shall, for a Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K_a, but not to the control requirements of Subpart K_a, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(7))**

3.AT. AT-000, Plant 35, Pipeway Emission Points

3.AT.4. Emission Point AT-004

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AT.5. Emission Point AT-005

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102(a))**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AU. AU-000, Plant 36, Cooling Water System

3.AV. AV-000, Plant 37, Acid & Marketing Areas

3.AV.1. Emission Point AV-001

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AV.4. Emission Point AV-004

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AV.5. Emission Point AV-005

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit or equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102(a))**

4. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AV.6. Emission Point AV-006

1. For components in ethanol service, the permittee shall use the following internal leak definitions unless specified more stringent in an applicable federal standard:

(a) No greater than 500 pmmv VOC for each valve and pressure relief device.

(b) No greater than 2,000 ppmv VOC for each pump and compressor.

(Ref.: PSD Permit to Construct issued May 8, 2007)

2. The permittee shall incorporate the equipment leak components in ethanol service in Plant 37 into the plan required for AC-003, Condition 3.AC.3.1 of this permit. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a).)**

3.AV.50. Emission Point AV-050

1. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

2. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AV.80. Emission Point AV-080

1. The permittee shall, for each storage vessel either with a design capacity greater than or equal to 151 m^3 containing a VOL that as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, equipped with a fixed roof in combination with an internal floating roof, meet the specifications in §60.112b(a)(1)(i) through (ix). **(Ref.: 40 CFR 60.112b(a)(1))**

3.AV.122. Emission Point AV-122

1. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

2. The permittee shall, for each Group 2 transfer rack, maintain records as required in Section 5 of this permit, more specifically stated in §63.130(f). **(Ref.: 40 CFR 63.126(c))**

3.AV.3702. Emission Point AV-3702

1. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

2. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating a closed vent system and control device in accordance with the requirements in §63.119(e). **(Ref.: 40 CFR 63.119(a)(1) and 63.119(e)(1))**

3.AW. AW-000, Plant 38, Flares & Relief System

3.AW.4. Emission Point AW-004

1. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

2. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AW.5. Emission Point AW-005

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR Part 63, Subpart F, shall comply with the requirements of 40 CFR Part 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102)**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AW.381. Emission Point AW-381

1. The permittee shall use flares that are steam-assisted, air-assisted, or non-assisted. The flares shall comply with the design requirements in §§63.11(b)(6), (7), and (8), as applicable. **(Ref.: 40 CFR 63.11(b)(2), (6), (7), & (8))**

2. The permittee shall operate the flares at all times when emissions may be vented to them. **(Ref. 40 CFR 63.11(b)(3))**

3. The permittee shall operate the flares with a pilot flame present at all times. **(Ref.: 40 CFR 63.11(b)(5))**

4. The permittee shall operate the flares such that there are no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

5. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

6. The permittee shall operate and maintain a flare gas recovery system and therefore shall only combust process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunction. **(Ref.: Permit to Construct issued May 20, 2009)**

3.AW.591. Emission Point AW-591

1. The permittee shall use flares that are steam-assisted, air-assisted, or non-assisted. The flares shall comply with the design requirements in §§63.11(b)(6), (7), and (8), as applicable. **(Ref.: 40 CFR 63.11(b)(2), (6), (7), & (8))**

2. The permittee shall operate the flares at all times when emissions may be vented to them. **(Ref. 40 CFR 63.11(b)(3))**

3. The permittee shall operate the flares with a pilot flame present at all times. **(Ref.: 40 CFR 63.11(b)(5))**

4. The permittee shall operate the flares such that there are no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

5. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

6. The permittee shall operate and maintain a flare gas recovery system and therefore shall only combust process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunction. **(Ref.: Permit to Construct issued September 4, 2008)**

3.AW.757. Emission Point AW-757

1. The permittee shall use flares that are steam-assisted, air-assisted, or non-assisted. The flares shall comply with the design requirements in §§63.11(b)(6), (7), and (8), as applicable. **(Ref.: 40 CFR 63.11(b)(2), (6), (7), & (8))**

2. The permittee shall operate the flares at all times when emissions may be vented to them. **(Ref. 40 CFR 63.11(b)(3))**

3. The permittee shall operate the flares with a pilot flame present at all times. **(Ref.: 40 CFR 63.11(b)(5))**

4. The permittee shall operate the flares such that there are no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

5. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.AX. AX-000, Plant 40, LER II

3.AX.1. Emission Point AX-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AX.82. Emission Point AX-082

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a control device (furnace) that reduces organic HAP emissions by 98 weight percent or to a concentration of 20 parts per million by volume, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent. **(Ref.: 40 CFR 63.643(a)(2))**

2. The permittee shall, if using a boiler or process heater to comply with §63.643(a)(2), introduce the vent stream into the flame zone, or in a location such that the required percent reduction or concentration is achieved. **(Ref.: 40 CFR 63.643(b))**

3.AX.83. Emission Point AX-083

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.AZ. AZ-000, Plant 45, Shipping

3.AZ.1. Emission Point AZ-001

1. The permittee shall, for a marine tank vessel loading operation located at a petroleum refinery, comply with the requirements in §§63.560 through 63.567 of 40 CFR Part 63, Subpart Y, except as provided in §63.651(b) through (d). **(Ref.: 40 CFR 63.651(a))**

2. *MACT standards for the vapor collection system of the terminal.* The permittee shall equip each terminal with a vapor collection system that is designed to collect HAP vapors displaced from marine tank vessels during marine tank vessel loading operations and to prevent HAP vapors collected at one loading berth from passing through another loading berth to the atmosphere, except for those commodities exempted under §63.560(d). Marine tank vessels must be equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, and the vessels must be vapor tight and connected to the vapor collection equipment during loading operations, except for those commodities exempted under §63.560(d). **(Ref.: 40 CFR 63.562(b)(1))**

3. *MACT standards for existing major sources of HAP.* The permittee shall reduce captured HAP emissions from marine tank vessel loading operations by 97 weight-percent, as determined using methods in §63.565(d) and (l). **(Ref.: 40 CFR 63.562(b)(2))**

4. *RACT standards for the vapor collection system of the terminal.* The permittee shall equip each terminal with a vapor collection system that is designed to collect VOC vapors displaced from marine tank vessels during marine tank vessel loading operations and to prevent VOC vapors collected at one loading berth from passing through another loading berth to the atmosphere, except for those commodities exempted under §63.560(d). Marine tank vessels must be equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, and the vessels must be vapor tight and connected to the vapor collection equipment during loading operations, except for those commodities exempted under §63.560(d). **(Ref.: 40 CFR 63.562(c)(2))**

5. *RACT standards for sources of 10M or 200M barrels.* The permittee shall reduce captured VOC emissions from marine tank vessel loading operations by 95 weight-percent when using a recovery device, as determined using methods in §63.565(d) and (l). **(Ref.: 40 CFR 63.562(c)(3))**

6. The permittee may apply for a maintenance allowance for loading berths based on a percent of annual throughput or annual marine tank vessel loading operation time for commodities not exempted in §63.560(d). **(Ref.: 40 CFR 63.562(b)(6), (c)(6), & MDEQ letter dated October 29, 1999)**

7. The permittee shall at all times, including periods of startup, shutdown, and malfunction, operate and maintain a source, including associated air pollution control equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. The MDEQ will determine compliance with design, equipment, work practice, or operational emission standards by evaluating a permittee's conformance with operation and maintenance requirements. The permittee shall develop and implement a written operation and maintenance plan in accordance with the requirements in §63.562(e)(2) and shall be maintained in accordance with the requirements in §63.562(e)(3) thru (6). **(Ref.: 40 CFR 63.562(e))**

8. The provisions of 40 CFR Part 63, Subpart Y pertaining to the MACT standards in §63.562(b) do not apply to benzene emissions from marine tank vessel loading operations that are subject to and complying with 40 CFR Part 61, Subpart BB, except that HAP emissions from marine vessel loading operations that are not subject to subpart BB are subject to Subpart Y. **(Ref.: 40 CFR 63.560(d)(4))**

9. The permittee shall equip each loading rack with a vapor collection system that collects all benzene vapors displaced from marine vessels during loading and prevents any benzene vapors collected at one loading rack from passing through another loading rack to the atmosphere. **(Ref.: 40 CFR 61.302(a))**

10. The permittee shall install a control device and reduce benzene emissions routed to the atmosphere through the control device by 98 weight percent. **(Ref.: 40 CFR 61.302(b))**

11. The permittee shall limit the loading of marine vessels to those vessels that are vapor tight using the following procedures to obtain the vapor-tightness documentation described in §61.305(h). The vapor-tightness test for marine vessels is Method 21 of appendix A to 40 CFR Part 60, and shall be applied to any potential sources of vapor leaks. A reading of 10,000 ppmv or greater, as methane, shall constitute a leak. The leak test documentation described in §61.305(h) shall be obtained prior to loading. The date of the test listed must be within the 12 preceding months. **(Ref.: 40 CFR 61.302(e)(2)(i))**

12. The permittee shall limit loading of benzene to marine vessels equipped with vapor collection equipment that is compatible with the affected facility's vapor collection system. **(Ref.: 40 CFR 61.302(f))**

13. The permittee shall limit loading of benzene to marine vessels whose collection systems are connected to the affected facility's vapor collection system. **(Ref.: 40 CFR 61.302(g))**

14. The permittee shall ensure that the maximum normal operating pressure of the marine vessel's vapor collection equipment shall not exceed 0.8 times the relief set pressure of the pressure-vacuum vents. This level is not to be exceeded when measured by the procedures specified in §61.340(d). **(Ref.: 40 CFR 61.302(j))**

15. The permittee shall inspect the vapor collection system and the control device for detectable emissions, and shall repair any leaks detected, in accordance with §61.242-11(e) and (f). This inspection shall be done during the loading of marine vessels. **(Ref.: 40 CFR 61.302(k))**

16. Vent systems that contain valves that could divert a vent stream from a control device shall have car-sealed opened all valves in the vent system from the emission source to the control device, and car-sealed closed all valves in the vent system that would lead the vent stream to the atmosphere, either directly or indirectly, bypassing the control device. **(Ref.: 40 CFR 61.302(l))**

3.AZ.2 Emission Point AZ-002

1. The permittee shall, for a marine tank vessel loading operation located at a petroleum refinery, comply with the requirements in §§63.560 through 63.567 of 40 CFR Part 63, Subpart Y, except as provided in §63.651(b) through (d). **(Ref.: 40 CFR 63.651(a))**

2. *MACT standards for the vapor collection system of the terminal.* The permittee shall equip each terminal with a vapor collection system that is designed to collect HAP vapors displaced from marine tank vessels during marine tank vessel loading operations and to prevent HAP vapors collected at one loading berth from passing through another loading berth to the atmosphere, except for those commodities exempted under §63.560(d). Marine tank vessels must be equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, and the vessels must be vapor tight and connected to the vapor collection equipment during loading operations, except for those commodities exempted under §63.560(d). **(Ref.: 40 CFR 63.562(b)(1))**

3. *MACT standards for existing major sources of HAP.* The permittee shall reduce captured HAP emissions from marine tank vessel loading operations by 97 weight-percent, as determined using methods in §63.565(d) and (l). **(Ref.: 40 CFR 63.562(b)(2))**

4. *RACT standards for the vapor collection system of the terminal.* The permittee shall equip each terminal with a vapor collection system that is designed to collect VOC vapors displaced from marine tank vessels during marine tank vessel loading operations and to prevent VOC vapors collected at one loading berth from passing through another loading berth to the atmosphere, except for those commodities exempted under §63.560(d). Marine tank vessels must be equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, and the vessels must be vapor tight and connected to the vapor collection equipment during loading operations, except for those commodities exempted under §63.560(d). **(Ref.: 40 CFR 63.562(c)(2))**

5. *RACT standards for sources of 10M or 200M barrels.* The permittee shall reduce captured VOC emissions from marine tank vessel loading operations by 95 weight-percent when using a recovery device, as determined using methods in §63.565(d) and (l). **(Ref.: 40 CFR 63.562(c)(3))**

6. The permittee may apply for a maintenance allowance for loading berths based on a percent of annual throughput or annual marine tank vessel loading operation time for commodities not exempted in §63.560(d). **(Ref.: 40 CFR 63.562(b)(6), (c)(6), & MDEQ letter dated October 29, 1999)**

7. The permittee shall at all times, including periods of startup, shutdown, and malfunction, operate and maintain a source, including associated air pollution control equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the MDEQ which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. The MDEQ will determine compliance with design, equipment, work practice, or operational emission standards by evaluating a permittee's conformance with operation and maintenance requirements. The permittee shall develop and implement a written operation and maintenance plan in accordance with the requirements in §63.562(e)(2) and shall be maintained in accordance with the requirements in §63.562(e)(3) thru (6). **(Ref.: 40 CFR 63.562(e))**

3.AZ.3. Emission Point AZ-003

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.AZ.8. Emission Point AZ-008

1. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

2. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.AZ.9. Emission Point AZ-009

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

3. The permittee shall, for a process unit with equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

4. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102(a))**

5. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

3.AZ.11 Emission Point AZ-011

1. The permittee shall, for a Group 1 and Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K_b, comply only with the provisions of 40 CFR Part 63, Subpart G. **(Ref.: 40 CFR 63.110(b)(1))**

2. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

3. The permittee shall, for each Group 1 storage vessel storing a liquid for which the maximum true vapor pressure of the total organic HAP's in the liquid is less than 76.6 kilopascals, reduce HAP emissions to the atmosphere by operating and maintaining a external floating roof in accordance with §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

4. The permittee shall comply with the requirements in 40 CFR 63, Subpart WW (control level 2) for each storage tank storing organic liquid that meets the tank capacity and liquid vapor pressure criteria in Table 2 to 40 CFR 63, Subpart EEEE (tank capacity greater than or equal to 50,000 gallons and a vapor pressure less than 11.1 psia). **(Ref.: 40 CFR 63.2346(a)(3) & Table 2)**

5. The permittee shall operate and maintain an external floating roof. **(Ref.: 40 CFR 63.1062(a)(2))**

6. The permittee shall comply with the requirements in §63.1062(a)(2) by operating an external floating roof equipped with a mechanical shoe seal and a secondary seal. **(Ref.: 40 CFR 63.1063(a)(1)(ii)(B))**

7. The permittee shall, for each opening through the floating roof deck, comply with the following requirements: Each opening except those for automatic bleeder vents and rim space vents shall have its lower edge below the surface of the liquid; Each opening, except those for automatic bleeder vents, rim space vents, leg sleeves, and deck drains shall be equipped with a deck cover. The deck cover shall be equipped with a gasket between the cover and the deck; Each automatic bleeder vent and rim space vent shall be equipped with a gasketed lid, pallet, flapper, or other closure device; Each opening for a fixed roof support column may be equipped with a flexible fabric sleeve seal instead of a deck cover; Each opening for a sample well or deck drain (that empties into the stored liquid) may be equipped with a slit fabric seal or similar device that covers at least 90 percent of the opening instead of a deck cover; Each cover on access hatches and gauge float wells shall be designed to be bolted or fastened when closed; Each opening for an un-slotted guide pole shall be equipped with a pole wiper, and each un-slotted guide pole shall be equipped with a gasketed cap on the top of the guide pole; Each opening for a slotted guide pole shall be equipped with either a pole wiper and a pole float with the wiper or seal of the pole float at or above the height of the pole wiper, or a pole wiper and a pole sleeve; If the floating roof does not meet the requirements listed here as of the proposal date of the referencing subpart (40 CFR 63, Subpart EEEE), these requirements do not apply until the next time the vessel is completely emptied or degassed or 10 years after the promulgation date of the referencing subpart, whichever occurs first. **(Ref.: 40 CFR 63.1063(a)(2))**

8. The permittee shall operate the floating roof in accordance with the following requirements: The roof shall float on the stored liquid surface at all times except when the floating roof is supported by its leg supports or other support devices; When the storage vessel is storing liquid but the liquid depth is insufficient to float the floating roof, the process of filling to the point of re-floating the roof shall be continuous and shall be performed as soon as practical; Each cover over an opening in the floating roof, except for automatic bleeder vents and rim space vents shall be closed at all times, except when the cover must be open for access; Each automatic bleeder vent and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design; Each un-slotted guide pole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. **(Ref.: 40 CFR 63.1063(b))**

9. The permittee shall comply with the following general operating requirements: The permittee must be in compliance with the emission limitations, operating limits, and work practice standards at all time when the equipment is in OLD operation; The permittee must always operate the affected unit, including control and monitoring equipment in accordance with §63.6(e)(1)(i); The permittee must develop a written startup, shutdown, and malfunction plan according to the provisions in §63.6(e)(3). **(Ref.: 40 CFR 63.2350)**

3.AZ.12 Emission Point AZ-012

1. The permittee shall comply with the requirements in 40 CFR 63, Subpart WW (control level 2) for each storage tank storing organic liquid that meets the tank capacity and liquid vapor pressure criteria in Table 2 to 40 CFR 63, Subpart EEEE (tank capacity greater than or equal to 50,000 gallons and a vapor pressure less than 11.1 psia). **(Ref.: 40 CFR 63.2346(a)(3) & Table 2)**

2. The permittee shall operate and maintain an internal floating roof. **(Ref.: 40 CFR 63.1062(a)(1))**

3. The permittee shall comply with the requirements in §63.1062(a)(1) by operating an internal floating roof equipped with a mechanical shoe seal. **(Ref.: 40 CFR 63.1063(a)(1)(i)(B))**

4. The permittee shall, for each opening through the floating roof deck, comply with the following requirements: Each opening except those for automatic bleeder vents and rim space vents shall have its lower edge below the surface of the liquid; Each opening, except those for automatic bleeder vents, rim space vents, leg sleeves, and deck drains shall be equipped with a deck cover. The deck cover shall be equipped with a gasket between the cover and the deck; Each automatic bleeder vent and rim space vent shall be equipped with a gasketed lid, pallet, flapper, or other closure device; Each opening for a fixed roof support column may be equipped with a flexible fabric sleeve seal instead of a deck cover; Each opening for a sample well or deck drain (that empties into the stored liquid) may be equipped with a slit fabric seal or similar device that covers at least 90 percent of the opening instead of a deck cover; Each cover on access hatches and gauge float wells shall be designed to be bolted or fastened when closed; Each opening for an un-slotted guide pole shall be equipped with a pole wiper, and each un-slotted guide pole shall be equipped with a gasketed cap on the top of the guide pole; Each opening for a slotted guide pole shall be equipped with either a pole wiper and a pole float with the wiper or seal of the pole float at or above the height of the pole wiper, or a pole wiper and a pole sleeve; If the floating roof does not meet the requirements listed here as of the proposal date of the referencing subpart (40 CFR 63, Subpart EEEE), these requirements do not apply until the next time the vessel is completely emptied or degassed or 10 years after the promulgation date of the referencing subpart, whichever occurs first. **(Ref.: 40 CFR 63.1063(a)(2))**

5. The permittee shall operate the floating roof in accordance with the following requirements: The roof shall float on the stored liquid surface at all times except when the floating roof is supported by its leg supports or other support devices; When the storage vessel is storing liquid but the liquid depth is insufficient to float the floating roof, the process of filling to the point of re-floating the roof shall be continuous and shall be performed as soon as practical; Each cover over an opening in the floating roof, except for automatic bleeder vents and rim space vents shall be closed at all times, except when the cover must be open for access; Each automatic bleeder vent and rim space vent shall be closed at all times, except when required to be open to relieve excess pressure or vacuum, in accordance with the manufacturer's design; Each un-slotted guide pole cap shall be closed at all times except when gauging the liquid level or taking liquid samples. **(Ref.: 40 CFR 63.1063(b))**

6. *[Reserved]*

7. The permittee shall comply with the following general operating requirements: The permittee must be in compliance with the emission limitations, operating limits, and work practice standards at all time when the equipment is in OLD operation; The permittee must always operate the affected unit, including control and monitoring equipment in accordance with §63.6(e)(1)(i); The permittee must develop a written startup, shutdown, and malfunction plan according to the provisions in §63.6(e)(3). **(Ref.: 40 CFR 63.2350)**

3.AZ.20. Emission Point AZ-020

1. For components in ethanol service, the permittee shall use the following internal leak definitions unless specified more stringent in an applicable federal standard:

   (a) No greater than 500 pmmv VOC for each valve and pressure relief device.

   (b) No greater than 2,000 ppmv VOC for each pump and compressor.

   (Ref.: PSD Permit to Construct issued May 8, 2007)

2. The permittee shall incorporate the equipment leak components in ethanol service in Plant 45 into the plan required for AC-003, Condition 3.AC.3.1 of this permit. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a).)**

3.AZ.21. Emission Point AZ-021

1. The permittee shall, for each pump, valve, and sampling connection that operates in organic liquids service for at least 300 hours per year, shall comply with the applicable requirements under 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.2346(c))**

3.AZ.206 Emission Point AZ-206

1. The permittee shall, for a Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(7))**

3.AZ.208 Emission Point AZ-208

1. The permittee shall, for a Group 1 storage vessel that is also subject to 40 CFR Part 60, Subpart K, comply only with the provisions of 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(n)(5))**

2. The permittee shall, for each Group 1 storage vessel subject to 40 CFR Part 63, Subpart CC, comply with the requirements of §63.119 through §63.121 except as provided in paragraphs (b) through (l) of §63.646. **(Ref.: 40 CFR 63.646(a))**

3. The permittee shall, for each Group 1 storage vessel as defined in §63.641, reduce HAP emissions to the atmosphere by operating an external floating roof in accordance with the requirements in §63.119(c). **(Ref.: 40 CFR 63.119(a)(1))**

3.AZ.423 Emission Point AZ-423

1. The permittee shall for each storage vessel which contains a petroleum liquid with a true vapor pressure equal to or greater than 10.3 kPa (1.5 psia) but not greater than 76.6 kPa (11.1 psia) shall equip the storage vessel with an external floating roof which complies with the requirements in §60.112a(a)(1). **(Ref.: 40 CFR 60.112a(a)(1))**

2. The permittee shall, as an alternative to the standards for tanks specified in §61.343 of Subpart FF, comply with the requirements for an external floating roof in 40 CFR 60.112b(a)(2). **(Ref.: 40 CFR 61.351(a)(2))**

3.BB. BB-000, Plant 53, PX Complex

3.BB.1. Emission Point BB-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BB.2. Emission Point BB-002

1. The permittee shall comply with the requirements in §§60.481 to 60.489. **(Ref.: 40 CFR 60.480)**

2. The permittee shall comply with the requirements in §§60.481a to 60.489a. **(Ref.: 40 CFR 60.480a)**

3. The permittee shall, for a process unit or equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 60, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(1))**

4. The permittee shall, for a process unit or equipment to which 40 CFR Part 63, Subpart H applies and that are also subject to the provisions of 40 CFR Part 61, comply only with the provisions of this 40 CFR Part 63, Subpart H. **(Ref.: 40 CFR 63.160(b)(2))**

5. The permittee for sources subject to 40 CFR Part 63, Subpart F, shall comply with the requirements of 40 CFR Part 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102(a))**

6. The permittee shall comply with the equipment leak provisions, 40 CFR 63, Subpart H, for pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems intended to operate in organic HAP service 300 hours or more during the calendar year within a source subject to a specific subpart in 40 CFR Part 63 that references Subpart H. **(Ref.: 40 CFR 63.160(a))**

7. The permittee shall install bellows-seal valves on all new valves installed of two inches or less in diameter that are in vapor or light liquid service in conjunction with the Paraxylene adsorber improvements project within plant 53. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.BB.3. Emission Point BB-003

1. Maintenance wastewater requirements.

   (a) The permittee shall comply with the requirements of paragraphs (b) through (e) of §63.105 for maintenance wastewaters containing those organic HAP's listed in table 9 of 40 CFR Part 63, Subpart G.

   (b) The permittee shall prepare a description of maintenance procedures for management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdowns (i.e., routine maintenance).

   The descriptions shall: (1) Specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities; (2) Specify the procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere; (3) Specify the procedures to be followed when clearing materials from process equipment.

   (c) The permittee shall modify and update the information required by paragraph (b) of this section as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure.

   (d) The permittee shall implement the procedures described in paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.

   (e) The permittee shall maintain a record of the information required by paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3), Subpart A.
   (Ref.: 40 CFR 63.105)

3.BB.7. Emission Point BB-007

1. The permittee shall comply with the heat exchange system requirements of 40 CFR 63.104(b) for each heat exchange system used to cool process equipment in a chemical manufacturing process unit. Whenever a leak is detected, the permittee shall comply with the requirements of 40 CFR 63.104(d). **(Ref.: 40 CFR 63.104(a))**

2. The permittee shall collect at least three sets of samples either at the cooling tower entrance and exit or any combinations of entrance and exit of heat exchangers. The concentration shall be corrected for the addition of any makeup water or for any evaporative losses, as applicable. **(Ref.: 40 CFR 63.104(b)(4) and (b)(5))**

3. Leak is detected if the exit mean concentration is found to be greater than the entrance mean using a one-sided statistical procedure at the 0.05 level of significance and the amount by which it is greater is at least 1 ppm or 10% of the entrance mean, whichever is greater. **(Ref.: 40 CFR 63.104(b)(6))**

3.BB.31. Emission Point BB-031

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BB.32. Emission Point BB-032

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

2. The permittee for sources subject to 40 CFR 63, Subpart F, shall comply with the requirements of 40 CFR 63, Subpart H for equipment leaks. **(Ref.: 40 CFR 63.102)**

3. The permittee of a Group 1 process vent shall reduce emission of organic HAP using a flare that meets the requirements of §63.11(b). The process vent stream cannot be a halogenated vent stream as defined in §63.111. **(Ref.: 40 CFR 63.113(a)(1))**

3.BB.33. Emission Point BB-033

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee may elect to transfer waste offsite to another treatment facility where the waste is treated in accordance with the requirements of §61.342(c)(1)(i). The permittee shall comply with the standards in §§61.343 through 61.347 for each waste management unit that receives or manages waste prior to shipment of the waste offsite, and include in each offsite shipment a notice stating that the waste contains benzene which is required to be managed and treated in accordance with this subpart (40 CFR 61, Subpart FF). **(Ref.: 40 CFR 61.342(f))**

3. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

4. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

5. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

6. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

7. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.BB.70. Emission Point BB-070

1. The permittee shall, for a Group 1 and Group 2 storage vessel that is also subject to 40 CFR Part 60, Subpart K_b, comply only with the provisions of 40 CFR Part 63, Subpart G. **(Ref.: 40 CFR 63.110(b)(1))**

2. The permittee shall comply with the requirements of Subpart G and the provisions for start-up, shutdown, and malfunction stated in §63.102. **(Ref.: 40 CFR 63.102)**

3. The permittee shall, for each Group 2 storage vessel, comply with the recordkeeping requirements in §63.123(a). **(Ref.: 40 CFR 63.119(a)(3))**

3.BB.128. Emission Point BB-128

1. This unit is an affected source under 40 CFR Part 63, Subpart ZZZZ and is defined as an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions. There are currently no requirements for these units under this subpart. **(Ref.: 40 CFR 63.6590(a)(1)(ii))**

3.BB.163. Emission Point BB-163

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.165. Emission Point BB-165

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.170. Emission Point BB-170

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall secure the bypass line valve in the closed position using a car-seal or a lock and key configuration. **(Ref.: 40 CFR 60.703(c)(1)(ii))**

3. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2))**

3.BB.174. Emission Point BB-174

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.191. Emission Point BB-191

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.192. Emission Point BB-192

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.193. Emission Point BB-193

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.194. Emission Point BB-194

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BB.195. Emission Point BB-195

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BD. BD-000, Plant 59, H_2S I

3.BD.1. Emission Point BD-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BD.5. Emission Point BD-005

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BE. BE-000, Plant 61, Crude II

3.BE.1. Emission Point BE-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BE.3. Emission Point BE-003

1. For equipment leak components in VOC service (as defined in §60.481a) in the Plant 61 refinery fuel gas system and LER II Offgas system located in Plant 61, the permittee shall use the following internal leak definitions for componenets in light liquid or gas/vapor service (as defined in §60.485a(e)), unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and and pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump and compressor. **(Ref.: Permit to Construct issued April 20, 2010)**

3.BE.13. Emission Point BE-013

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BE.211. Emission Point BE-211

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

2. The permittee shall not burn any fuels other than the following: Plant 40 Merox Regenerator Gas and Refinery Fuel Gas. **(Ref.: PSD Permit to Construct issued April 20, 2010)**

3.BF. BF-000, Plant 62, Isomax (ISO) II

3.BF.1. Emission Point BF-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BF.17. Emission Point BF-017

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BF.221. Emission Point BF-221

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BF.223. Emission Point BF-223

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BF.224. Emission Point BF-224

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BG. BG-000, Plant 63, Reformate Distillation Unit (RDU) II

3.BG.1. Emission Point BG-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BH. BH-000, Plant 64, Hydrogen II

3.BH.1. Emission Point BH-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BH.35. Emission Point BH-035

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a control device (condenser) that reduces organic HAP emissions by 98 weight percent or to a concentration of 20 parts per million by volume, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent. **(Ref.: 40 CFR 63.643(a)(2))**

3.BH.231. Emission Point BH-231

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BH.232. Emission Point BH-232

1. The permittee shall not cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:

   $$STD = 0.0150 (14.4)/Y + F$$

   Where:

   STD = allowable NO_x emissions (percent by volume at 15 percent oxygen and on a dry basis).

   Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour.

   F = NO_x emission allowance for fuel-bound nitrogen as defined in 60.332(a)(3)

   (Ref.: 40 CFR 60.332(a)(2))

2. The permittee shall not burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. **(Ref.: 40 CFR 60.333(b))**

3.BI. BI-000, Plant 165, NHT II

3.BI.1. Emission Point BI-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BI.36. Emission Point BI-036

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BI.245. Emission Point BI-245

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BI.246. Emission Point BI-246

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BJ. BJ-000, Plant 66, Gas Recovery Unit (GRU)

3.BJ.1. Emission Point BJ-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BJ.48. Emission Point BJ-048

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BK. BK-000, Plant 67, Fluidized-bed Catalytic Cracking (FCC) Hydrofiner

3.BK.1. Emission Point BK-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BK.86. Emission Point BK-086

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BK.261. Emission Point BK-261

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BL. BL-000, Plant 68, Treaters II

3.BL.1. Emission Point BL-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BL.59. Emission Point BL-059

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BN. BN-000, Plant 70, Light Straight Run (LSR) Splitter

3.BN.1. Emission Point BN-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BN.76. Emission Point BN-076

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BO. BO-000, Plant 71, Dehexanizer

3.BO.1. Emission Point BO-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BO.79. Emission Point BO-079

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BP. BP-000, Plant 81, Residuum Desulphurization (RDS)

3.BP.1. Emission Point BP-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BP.56. Emission Point BP-056

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BP.511. Emission Point BP-511

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BQ. BQ-000, Plant 83, Coker

3.BQ.1. Emission Point BQ-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BQ.67. Emission Point BQ-067

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BQ.78. Emission Point BQ-078

1. The permittee shall for each storage vessel which contains a petroleum liquid with a true vapor pressure equal to or greater than 10.3 kPa (1.5 psia) but not greater than 76.6 kPa (11.1 psia) shall equip the storage vessel with an external floating roof which complies with the requirements in §60.112a(a)(1). **(Ref.: 40 CFR 60.112a(a)(1))**

3.BQ.521. Emission Point BQ-521

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BR. BR-000, Plant 84, Vacuum Distillation Unit (VDU)

3.BR.1. Emission Point BR-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BR.80. Emission Point BR-080

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BR.531. Emission Point BR-531

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BS. BS-000, Plant 85, Coker Hydrodenitrifier (HDN)

3.BS.1. Emission Point BS-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BS.83. Emission Point BS-083

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BS.501. Emission Point BS-501

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BS.502. Emission Point BS-502

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BT. BT-000, Plant 86, Hydrogen III

3.BT.1. Emission Point BT-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BT.88. Emission Point BT-088

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BT.541. Emission Point BT-541

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

2. For stationary gas turbines with a heat input at peak load greater than 107.2 gigajoules per hour that commenced construction, reconstruction, or modification between the dates of October 3, 1977, and January 27, 1982, and were required in the September 10, 1979, Federal Register (44 FR 52792) to comply with §60.332(a)(1) are exempt from §60.332(a). **(Ref.: 40 CFR 60.332(j))**

3. The permittee shall not burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. **(Ref.: 40 CFR 60.333(b))**

4. The permittee shall not vent more than 35% by volume of the exhaust flow from the turbine to the atmosphere on a 12-month rolling average basis. The remaining exhaust shall be routed to BT-441 for combustion. **(Ref: PSD Permit to Construct issued June 12, 2001)**

3.BT.542. Emission Point BT-542

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BU. BU-000, Plant 87, Alkylation II

3.BU.1. Emission Point BU-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BU.60. Emission Point BU-60

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall secure the bypass line valve in the closed position using a car-seal or a lock and key configuration. **(Ref.: 40 CFR 60.703(c)(1)(ii); See Appendix C, EPA Letter Dated 2/19/2003)**

3. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2); See Appendix C, EPA Letter Dated 2/19/2003)**

4. The permittee shall combust the emissions in a flare that meets the requirements of §60.18. **(Ref.: 40 CFR 60.662(b))**

5. The permittee shall install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that provides a record of vent stream flow to the flare at least once every hour. The flow indicator shall be installed in the vent stream at a point closest to the flare and before being joined with any other vent stream. **(Ref.: 40 CFR 60.663(b)(2))**

3.BU.99. Emission Point BU-099

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.BW. BW-000, Plant 90, Sulfur Recovery Unit (SRU) IV

3.BW.1. Emission Point BW-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BW.14. Emission Point BW-014

1. The permittee shall not discharge or cause the discharge of any gases into the atmosphere from any Claus sulfur recovery plant containing in excess of 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of hydrogen sulfide (H_2S), each calculated as ppm SO_2 by volume (dry basis) at zero percent excess air. **(Ref.: 40 CFR 60.104(a)(2)(ii))**

2. The permittee is subject to NSPS, Subpart J for sulfur oxides (SO_x), therefore, the permittee shall comply with NESHAP, Subpart UUU for organic HAP by complying with the SO_x requirements under Subpart J. **(Ref.: 40 CFR 63.1568(a)(1))**

3.BW.551. Emission Point BW-551

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BX. BX-000, Plant 91, Sulfur Recovery Unit (SRU) V

3.BX.1. Emission Point BX-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BX.20. Emission Point BX-020

1. The permittee shall not discharge or cause the discharge of any gases into the atmosphere from any Claus sulfur recovery plant containing in excess of 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of hydrogen sulfide (H_2S), each calculated as ppm SO_2 by volume (dry basis) at zero percent excess air. **(Ref.: 40 CFR 60.104(a)(2)(ii))**

2. The permittee is subject to NSPS, Subpart J for sulfur oxides (SO_x), therefore, the permittee shall comply with NESHAP, Subpart UUU for organic HAP by complying with the SO_x requirements under Subpart J. **(Ref.: 40 CFR 63.1568(a)(1))**

3.BX.552. Emission Point BX-552

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BY. BY-000, Plant 92, Sulfur Recovery Unit (SRU) VI

3.BY.1. Emission Point BY-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BY.25. Emission Point BY-025

1. The permittee shall not discharge or cause the discharge of any gases into the atmosphere from any Claus sulfur recovery plant containing in excess of 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of hydrogen sulfide (H_2S), each calculated as ppm SO_2 by volume (dry basis) at zero percent excess air. **(Ref.: 40 CFR 60.104(a)(2)(ii))**

2. The permittee is subject to NSPS, Subpart J for sulfur oxides (SO_x), therefore, the permittee shall comply with NESHAP, Subpart UUU for organic HAP by complying with the SO_x requirements under Subpart J. **(Ref.: 40 CFR 63.1568(a)(1))**

3.BY.553. Emission Point BY-553

1. The permittee shall not burn any fuel gas containing hydrogen sulfide (H_2S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph. **(Ref.: 40 CFR 60.104(a)(1))**

3.BZ. BZ-000, Plant 94, Amine Regeneration

3.BZ.1. Emission Point BZ-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.BZ.14. Emission Point BZ-014

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.CC. CC-000, Plant 95, Wastewater Treater

3.CC.32. Emission Point CC-032

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

2. The permittee shall temporarily vent process gases from the Ammonia Stripper Reflux Drum for a total of 720 hours in each consecutive 365-day period. The vent gases must be controlled at all times by either Flare No. 1 (AW-381) or Flare No. 2 (AW-382). **(Ref: PSD Permit to Construct issued June 12, 2001)**

3. The permittee shall vent ammonia to the flares at a rate not to exceed 69.8 tons per day. **(Ref: PSD Permit to Construct issued June 12, 2001)**

3.CC.33. Emission Point CC-033

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.CC.102. Emission Point CC-102

1. The permittee shall develop and implement an H_2S Monitoring Plan to demonstrate compliance with the standard of one grain per 100 standard cubic feet found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).. **(Ref.: Permit to Construct issued January 8, 2008 revised November 13, 2012)**

3.CC.197. Emission Point CC-197

1. The permittee may, as an alternative to the standards for tanks specified in §61.343, elect to comply using an external floating roof meeting the requirements of 40 CFR 60.112b(a)(2) of Subpart K_b. **(Ref.: 40 CFR 61.351(a)(2))**

3.CD. CD-000, Plant 112, Solid Waste Treatment Units

3.CD.1. Emission Point CD-001

1. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.CD.112. Emission Point CD-112

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.CE. CE-000, Plant 122, Iso Octene

3.CE.1. Emission Point CE-001

1. The permittee shall comply with the requirements in §§60.592(a) to 60.592(e) with the exceptions provided in §60.593. **(Ref.: 40 CFR 60.590)**

2. The permittee, for equipment leaks that are also subject to 40 CFR Parts 60 or 61, shall comply only with the provisions specified in 40 CFR Part 63, Subpart CC. **(Ref.: 40 CFR 63.640(p))**

3. The permittee, for existing sources subject to the provisions of 40 CFR Part 63, Subpart CC, shall comply with the provisions of 40 CFR Part 60, Subpart VV and §63.648(b) except as provided in §§63.648(a)(1), (a)(2), and (c) through (i). **(Ref.: 40 CFR 63.648)**

3.CE.21. Emission Point CE-21

1. The permittee shall reduce emissions of total organic compounds (TOC) (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on dry basis corrected to 3 percent oxygen, whichever is less stringent. If a boiler or process heater is used to comply, then the vent stream shall be introduced into the flame zone of the boiler or process heater. **(Ref.: 40 CFR 60.662(a))**

2. The permittee shall ensure that the vent stream is introduced into boiler or process heater with the primary fuel. **(Ref.: 40 CFR 60.703(c)(2); See Appendix C, EPA Letter Dated 2/19/2003)**

3. The permittee shall combust the emissions in a flare that meets the requirements of §60.18. **(Ref.: 40 CFR 60.662(b))**

4. The permittee shall install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that provides a record of vent stream flow to the flare at least once every hour. The flow indicator shall be installed in the vent stream at a point closest to the flare and before being joined with any other vent stream. **(Ref.: 40 CFR 60.663(b)(2))**

3.CE.93. Emission Point CE-093

1. The permittee of a Group 1 miscellaneous process vent shall reduce emissions of organic HAP's using a flare that meets the requirements of §63.11(b). **(Ref.: 40 CFR 63.643(a)(1))**

3.CF. CF-000, Plant 208, Main Lab Emission Points

3.CF.1. Emission Point CF-001

1. The permittee shall comply with the standards specified in §§61.343 through 61.347 of this subpart for each waste management unit that receives or manages the waste stream prior to and during treatment. **(Ref.: 40 CFR 61.342(c)(1)(ii))**

2. The permittee shall, for each tank in which waste is placed, install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The fixed-roof shall meet the following requirements: (A) The cover and all openings shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). (B) Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair. **(Ref.: 40 CFR 61.343(a)(1)(i)(A & B))**

3. The closed vent system and control device (carbon canister) shall be designed and operated according to the requirements below, more specifically stated in §61.349 of the subpart. **(Ref.: 40 CFR 61.343(a)(1)(ii))**

4. The closed-vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background. **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The vapor recovery system (carbon canister) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater or shall recover 98 weight percent or greater benzene. **(Ref.: 40 CFR 61.349(a)(2)(ii))**

6. The closed-vent system and control device (carbon canister) shall be operated 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. **(Ref.: 40 CFR 61.349(b))**

3.CG. CG-000, Plant 5171, Pascagoula Marketing Terminal

3.CG.2. Emission Point CG-002

1. The permittee, where subject to the provisions of both 40 CFR Part 63, Subpart R and 40 CFR Part 60, Subpart XX, shall comply only with the provisions in each subpart that contain the most stringent control requirements. **(Ref.: 40 CFR 63.420(g))**

2. The permittee, for loading racks at a bulk gasoline terminal subject to the provisions of 40 CFR Part 63, Subpart R, shall comply with the requirements in §60.502 except for paragraphs (b), (c), and (j) of that section. **(Ref.: 40 CFR 63.422(a))**

3. The permittee shall not allow emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded. **(Ref.: 40 CFR 63.422(b))**

4. The permittee shall comply with the requirements in §60.502(e) with the following changes: For the purpose of this section the term "tank truck" as used in §60.502(e) shall mean "cargo tank";

   Section §60.502(e)(5) shall read as follows:

   > The permittee shall take steps assuring that the non-vapor-tight gasoline cargo tank will not be reloaded at the facility until vapor tightness documentation for that gasoline cargo tank is obtained which documents that: The tank truck cargo tank meets the test requirements in §63.425(e);
   >
   > For each gasoline cargo tank failing the test in §63.425(f) or (g) at the facility the cargo tank either: Before repair work is performed on the cargo tank, meets the test requirements in §63.425(g) or (h); or After repair work is performed on the cargo tank before or during the tests in §63.425(g) or (h), subsequently passes the annual certification test described in §63.425(e).

   (Ref.: 40 CFR 63.422(c))

5. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to the following; minimize gasoline spills, clean up spills as expeditiously as practicable, cover all open gasoline containers with a gasketed seal when not in use, and minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil and water separators. **(Ref.: 40 CFR 63.424(g))**

6. The permittee, for each bulk gasoline terminal, shall equip each affected facility with a vapor collection system designed to collect the total organic compounds vapors displaced from cargo tanks during product loading. **(Ref.: 40 CFR 60.502(a))**

7. The permittee shall not emit to the atmosphere from the vapor collection system, due to the loading of liquid petroleum into gasoline tank trucks, volatile organic compounds in excess of 35 milligrams per liter of gasoline loaded. **(Ref.: 40 CFR 60.502(b))**

8. The permittee shall assure that each vapor collection system is designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack. **(Ref.: 40 CFR 60.502(d))**

9. The permittee shall assure that the loading of liquid product into gasoline tank trucks is limited to vapor-tight gasoline tank trucks using the procedures outlined in §60.502(e)(1) thru (6). **(Ref.: 40 CFR 60.502(e))**

10. The permittee shall assure that loading of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. **(Ref.: 40 CFR 60.502(f))**

11. The permittee shall assure that the terminal and the tank truck vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the loading racks. **(Ref.: 40 CFR 60.502(g))**

12. The permittee shall assure that the vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 Pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in §60.503(d). **(Ref.: 40 CFR 60.502(h))**

13. The permittee shall assure that no pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 Pascals (450 mm of water). **(Ref.: 40 CFR 60.502(i))**

3.CG.3. Emission Point CG-003

1. For components in VOC service (as defined in §60.481a) the permittee shall use the following internal leak definitions for componenets in light liquid or gas/vapor service (as defined in §60.485a(e)), unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and and pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump and compressor. **(Ref.: Permit to Construct issued May 8, 2007)**

3.CH. CH-000, Plant 79, Continuous Catalytic Reforming (CCR) Unit

3.CH.1. Emission Point CH-001

1. Equipment leaks that are subject to the provisions of both 40 CFR Part 63, Subpart CC, and 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa **(Ref.: 40 CFR 63.640(p)(2))**

2. The permittee shall comply with the requirements of §§60.482-1a to 60.482-10a as soon as practicable, but no later than 180 days after initial startup. **(Ref.: 40 CFR 60.592a(a))**

3. The permittee shall install bellows-seal valves on all valves within Plant 79 of 1.5 inches or less in diameter that are in vapor or light liquid VOC service. The permittee shall install pumps with dry gas seal systems with an inert barrier gas at higher pressure than the fluid being pumped or other "leak less" technology. Pumps fitted with dry gas seal systems or other "leak less" technology, shall be installed in service that is at least 10 percent VOC by weight. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall use the following internal leak definitions for valves, connectors, and pumps in light and/or gas/vapor service, unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and connector, excluding pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.CH.2. Emission Point CH-002

1. The permittee, for a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart QQQ, shall comply only with the provision specified in §63.640(o)(i). **(Ref.: 40 CFR 63.640(o)(1))**

3.CH.3. Emission Point CH-003

1. The permittee shall not burn in any fuel gas combustion device any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis. **(Ref.: 40 CFR 60.102a(g)(1)(ii))**

2. For each process heater with a rated capacity of greater than 40 MMBtu/hr, the permittee shall not discharge to the atmosphere any emissions of NO_x in excess of 40 ppmv (dry basis, corrected to 0 percent excess air) determined daily on a 30-

day rolling average basis. **(Ref.: 40 CFR 60.102a(g)(2)(i)(A))**

3. For each fuel gas combustion device subject to NSPS Subpart Ja, the permittee shall conduct a root cause analysis and corrective action analysis for any H_2S limit exceedance that causes emission of SO_2 in excess of 500 lb above emission limit for any 24-hour period. **(Ref.: 40 CFR 60.103a(c)(2))**

4. The permittee shall operate the Ultra Low NO_x Burners in accordance with the manufacturer's specifications during startups, shutdowns, and malfunctions. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.CH.4. Emission Point CH-004

1. The permittee shall reduce uncontrolled emissions of HCl by 97 percent by weight or to a concentration of 10 ppmv (dry basis), corrected to 3 percent oxygen. **(Ref.: 40 CFR 63.1567(a)(1) & Table 22)**

2. The daily average temperature of the exhaust gas entering or exiting the adsorption system must not exceed the limit established during the performance test. The weekly average chloride level on the sorbent entering the adsorption system must not exceed the design or manufacturer's recommended limit (1.35 weight percent for the Chlorsorb™ System). The weekly average chloride level on the sorbent leaving the adsorption system must not exceed the design or manufacturer's recommended limit (1.8 weight percent for the Chlorsorb™ System). **(Ref.: 40 CFR 63.1567(a)(2) & Table 23)**

3. The permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements in §63.1574(f) and operate at all times according to the procedures in the plan. **(Ref.: 40 CFR 63.1567(a)(3))**

4. The permittee shall operate the residual contaminant removal system at all times when catalyst regeneration byproducts are vented except when maintenance to the residual contaminant system is necessary and must take place prior to a regularly scheduled shutdown of the CCR Unit. When maintenance is being performed on the residual contaminant removal system, the permittee may bypass the system and vent emissions directly to the atmosphere. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.CI. CI-000, Plant 80, Reformate Splitter Unit

3.CI.1. Emission Point CI-001

1. Equipment leaks that are subject to the provisions of both 40 CFR Part 63, Subpart CC, and 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa **(Ref.: 40 CFR 63.640(p)(2))**

2. The permittee shall comply with the requirements of §§60.482-1a to 60.482-10a as soon as practicable, but no later than 180 days after initial startup. **(Ref.: 40 CFR 60.592a(a))**

3. The permittee shall install bellows-seal valves on all valves within Plant 80 of 1.5 inches or less in diameter that are in vapor or light liquid VOC service. The permittee shall install pumps with dry gas seal systems with an inert barrier gas at higher pressure than the fluid being pumped or other "leak less" technology. Pumps fitted with dry gas seal systems or other "leak less" technology, shall be installed in service that is at least 10 percent VOC by weight. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall use the following internal leak definitions for valves, connectors, and pumps in light and/or gas/vapor service, unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and connector, excluding pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.CI.2. Emission Point CI-002

1. The permittee, for a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart QQQ, shall comply only with the provision specified in §63.640(o)(1). **(Ref.: 40 CFR 63.640(o)(1))**

3.CI.3. Emission Point CI-003

1. The permittee shall not burn in any fuel gas combustion device any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis. **(Ref.: 40 CFR 60.102a(g)(1)(ii))**

2. For each process heater with a rated capacity of greater than 40 MMBtu/hr, the permittee shall not discharge to the atmosphere any emissions of NO_x in excess of 40 ppmv (dry basis, corrected to 0 percent excess air) determined daily on a 30-day rolling average basis. **(Ref.: 40 CFR 60.102a(g)(2)(i)(A))**

3. For each fuel gas combustion device subject to NSPS Subpart Ja, the permittee shall conduct a root cause analysis and corrective action analysis for any H_2S limit exceedance that causes emission of SO_2 in excess of 500 lb above emission limit for any 24-hour period. **(Ref.: 40 CFR 60.103a(c)(2))**

4. The permittee shall operate the Ultra Low NO_x Burners in accordance with the manufacturer's specifications during startups, shutdowns, and malfunctions. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3.CJ. CJ-000, Plant 23, Pressure Swing Adsoprtion Unit

3.CJ.1 Emission Point CJ-001

1. Equipment leaks that are subject to the provisions of both 40 CFR Part 63, Subpart CC, and 40 CFR Part 60, Subpart GGGa, are required to comply only with the provisions specified in 40 CFR Part 60, Subpart GGGa **(Ref.: 40 CFR 63.640(p)(2))**

2. The permittee shall comply with the requirements of §§60.482-1a to 60.482-10a as soon as practicable, but no later than 180 days after initial startup. **(Ref.: 40 CFR 60.592a(a))**
3. The permittee shall install bellows-seal valves on all valves within Plant 23 of 1.5 inches or less in diameter that are in vapor or light liquid VOC service. The permittee shall install pumps with dry gas seal systems with an inert barrier gas at higher pressure than the fluid being pumped or other "leak less" technology. Pumps fitted with dry gas seal systems or other "leak less" technology, shall be installed in service that is at least 10 percent VOC by weight. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall use the following internal leak definitions for valves, connectors, and pumps in light and/or gas/vapor service, unless specified more stringent in an applicable federal standard: (a) No greater than 500 ppmv VOC for each valve and connector, excluding pressure relief devices; (b) No greater than 2,000 ppmv VOC for each pump. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

C. Insignificant and Trivial Activity Emission Limitations & Standards

Applicable Requirement	Condition Number(s)	Pollutant/ Parameter	Limit/Standard
11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).	3.C.1 & 1.19	PM	0.6 lbs/MMBTU or as otherwise limited by facility modification restrictions
11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).	3.C.2 & 1.19	SO_2	4.8 lbs/MMBTU or as otherwise limited by facility modification restrictions
11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).	3.C.3 & 1.19	H_2S	1 gr/100 scf or as otherwise limited by facility modification restrictions

1. The maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).)

2. The maximum discharge of sulfur oxides from any fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).)

3. The permittee shall not cause or permit the emission of any gas stream which contains hydrogen sulfide in excess of one grain per 100 standard cubic feet. Gas streams containing hydrogen sulfide in excess of one grain per 100 standard cubic feet shall be incinerated at temperatures of not less than 1600^{o}F for a period of not less than 0.5 seconds, or processed in such manner which is equivalent to or more effective for the removal of hydrogen sulfide. Sulfur dioxide concentration limitations in the gas streams resulting from such incineration or processing shall be determined for each emission point on a case-by-case basis to insure that the resulting maximum ground level concentration of sulfur dioxide as determined by acceptable method or methods will be in compliance with National Ambient Air Quality Standards for sulfur dioxide. Testing to determine the productive capacity of new fields shall be exempted from emission limitation provisions of the paragraph of the regulation providing such testing has been previously negotiated and approved by the Mississippi Office of Pollution Control. This regulation shall not apply to sulfur recovery plants. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2).)

SECTION 4. COMPLIANCE SCHEDULE

1. Unless otherwise specified herein, the permittee shall be in compliance with all requirements contained herein upon issuance of this permit.

2. Except as otherwise specified herein, the permittee shall submit to the Permit Board and to the Administrator of EPA Region IV a certification of compliance with permit terms and conditions, including emission limitations, standards, or work practices, by March 31 for the preceding calendar year. Each compliance certification shall include the following:

   (a) The identification of each term or condition of the permit that is the basis of the certification;
   (b) The compliance status;
   (c) Whether compliance was continuous or intermittent;
   (d) The method(s) used for determining the compliance status of the source, currently and over the applicable reporting period;
   (e) Such other facts as may be specified as pertinent in specific conditions elsewhere in this permit.
   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.C(5)(a), (c), & (d).)

3. The following construction permits have been issued prior to issuance and/or modification of this permit and contain applicable requirements for new and existing equipment at this facility. These requirements will become effective as outlined in the relevant construction permit. These applicable requirements will be fully incorporated into this permit using the appropriate modification procedures required in 11 Miss. Admin. Code Pt. 2, R. 6.4.E. following submittal of the application required in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).:

   - PSD Permit to Construct "Pascagoula Base Oil Project (PBOP)" and "Holistic Sulfur Project" issued April 14, 2009 and modified December 21, 2010, November 27, 2011, and February 1, 2013.

4. In accordance with the Consent Decree (Date of Entry – June 27, 2005), the permittee must submit applications to incorporate any emission limitations or standards required under Section V of the Consent Decree into a non-Title V, federally-enforceable permit. The following requirements from Section V of the Consent Decree have not yet been addressed and are scheduled to be included in a future non-Title V, federally-enforceable permit:

   - NO_x emission limit for the FCCU. This limit is to be established by EPA – see paragraph 13.b. of the Consent Decree for details.

   - NO_x reductions to occur by June 30, 2011. This requirement applies in total to all five refineries listed in the Consent Decree, therefore Chevron may choose to not include the Pascagoula Refinery for NO_x reductions – see paragraph 33 of the Consent Decree for details.

5. In accordance with Condition 5.AH.52.7, the permittee shall develop a correlation between

excess oxygen in the stack and the PM/PM_{10} and opacity limits contained in this permit for Emission Point AH-052. The permittee shall submit the correlation to MDEQ for approval. The submittal should contain the correlation, the rationale used in development of the correlation, and an explanation of how the correlation will be used to demonstrate compliance with the PM/PM_{10} and opacity limits. In lieu of the correlation, the permittee may submit for approval an equivalent alternative monitoring approach to demonstrate compliance with the PM/PM_{10} and opacity limits. This submittal should be made no later than 6 months following the issuance date of this permit. Upon approval, the correlation or the approved alternative will be incorporated into this permit in accordance with the modification procedures in 11 Miss. Admin. Code Pt. 2, R. 6.4.E..

6. In accordance with Condition 5.AP.124.2, the permittee is required to continuously monitor the combustion temperature and flue gas oxygen content and establish operating ranges for these parameters to indicate compliance with the NO_x and CO emission limits contained in this permit for Emission Point AP-124. The permittee shall submit these established ranges to MDEQ for approval. The submittal shall contain the ranges, the rationale for selecting this monitoring method, and an explanation of how these ranges indicate compliance with the NO_x and CO limits. In lieu of this monitoring approach, the permittee may submit for approval an equivalent alternative monitoring approach to demonstrate compliance with the NO_x and CO limits. This submittal should be made no later than 6 months following the issuance date of this permit. Upon approval, the selected monitoring approach will be incorporated into this permit in accordance with the modification procedures in 11 Miss. Admin. Code Pt. 2, R. 6.4.E..

SECTION 5. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

A. General Monitoring, Recordkeeping and Reporting Requirements

1. The permittee shall install, maintain, and operate equipment and/or institute procedures as necessary to perform the monitoring and recordkeeping specified below.

2. In addition to the recordkeeping specified below, the permittee shall include with all records of required monitoring information the following:

   (a) The date, place as defined in the permit, and time of sampling or measurements;
   (b) The date(s) analyses were performed;
   (c) The company or entity that performed the analyses;
   (d) The analytical techniques or methods used;
   (e) The results of such analyses; and
   (f) The operating conditions existing at the time of sampling or measurement.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(1).)

3. Except where a longer duration is specified in an applicable requirement, the permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)

4. Except as otherwise specified herein, the permittee shall submit semiannual reports of any required monitoring by September 30 for the preceding six-month period of January 1 through June 30, and by March 31 for the preceding six-month period of July 1 through December 31. All instances of deviations from permit requirements must be clearly identified in such reports and all required reports must be certified by a responsible official consistent with 11 Miss. Admin. Code Pt. 2, R. 6.2.E.. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(1).)

5. Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(c)(2).)

6. Except as otherwise specified herein, the permittee shall perform emissions sampling and analysis in accordance with EPA Test Methods and with any continuous emission monitoring requirements, if applicable. All test methods shall be those versions or their equivalents approved by the DEQ and the EPA.

7. The permittee shall maintain records of any alterations, additions, or changes in equipment or operation.

B. Specific Monitoring, Recordkeeping, and Reporting Requirements

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AC-000	**General Plant**			
AC-002	HAP (Wastewater)	PRPU wastewater reporting and recordkeeping requirements.	5.AC.2.1	Subpart CC, 40 CFR 63.654(a)
		CMPU wastewater reporting and recordkeeping requirements.	5.AC.2.2	Subpart G, 40 CFR 63.146 and 63.147
		Benzene waste stream information; Use methods in §61.355.	5.AC.2.3	Subpart FF, 40 CFR 61.355(a)
		Benzene waste stream recordkeeping requirements.	5.AC.2.4	Subpart FF, 40 CFR 61.356(a), Subpart FF, 40 CFR 61.356(b)
		Offsite waste treatment recordkeeping requirements.	5.AC.2.5	Subpart FF, 40 CFR 61.356(c)
		Annual benzene waste information report.	5.AC.2.6	Subpart FF, 40 CFR 61.357(d)(2), Subpart FF, 40 CFR 61.357(d)(3)
		Quarterly drain system inspections.	5.AC.2.7	Subpart FF, 40 CFR 61.346(b)(4)
		15-day drain system repair requirement.	5.AC.2.8	Subpart FF, 40 CFR 61.346(b)(5)
		Inspection recordkeeping requirement.	5.AC.2.9	Subpart FF, 40 CFR 61.356(g)
		Quarterly inspection certification report.	5.AC.2.10	Subpart FF, 40 CFR 61.357(d)(6)
		Annual inspection summary report.	5.AC.2.11	Subpart FF, 40 CFR 61.357(d)(8)
AC-003	HAP (Equipment Leaks)	PRPU recordkeeping and reporting requirements.	5.AC.3.1	Subpart CC, 40 CFR 63.655(d)
		CMPU recordkeeping and reporting requirements.	5.AC.3.2	Subpart H, 40 CFR 63.181 Subpart H, 40 CFR 63.182
	VOC/HAP (Equipment Leaks)	Recordkeeping and reporting requirements for components with no corresponding applicable federal requirements.	5.AC.3.3	PSD PTC, 5/8/2007 PTC, 4/20/2010 PTC, 4/22/1999
	VOC (Equipment Leaks)	Performance testing, recordkeeping, and reporting requirements for NSPS Subpart GGGa.	5.AC.3.4; 5.AC.3.5	Subpart GGGa, 40 CFR 60.592a(d) Subpart GGGa, 40 CFR 60.592a(e)
AC-004	HAP	Site remediation recordkeeping requirements.	5.AC.4.1	Subpart GGGGG, 40 CFR 63.7881(c)
AD-000	**Plant 10 Olefin Splitter**			
AD-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AD-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AD-060	Flare Operation	See flare requirements in AW-000.		
AE-000	**Plant 11 Crude I**			
AE-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
		Quarterly leak detection monitoring.	5.AE.1.1	PSD PTC, 5/8/2007
		15-day leak repair requirement.	5.AE.1.2	PSD PTC, 5/8/2007
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., “leak less”)	5.AE.1.3	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
AE-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AE-004	VOC	Monthly VOC monitoring; EPA approved method listed in 40 CFR Part 136.	5.AE.4.1	PSD PTC, 5/8/2007.
		Monthly VOC recordkeeping.	5.AE.4.4	
	Inlet Water Flow Rate	Continuous monitoring of inlet water flow rate in gallons per minute.	5.AE.4.2	PSD PTC, 5/8/2007.
		Monthly flow rate recordkeeping.	5.AE.4.4	
	Equipment Leak Plan	Submittal of an equipment leak and repair plan.	5.AE.4.3	PSD PTC, 5/8/2007.
	Equipment Design	Equipment design records.	5.AE.4.5	PSD PTC, 5/8/2007.
AE-013	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AE.13.1	Subpart J, 40 CFR 60.105(a)(4))
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.AE.13.2	Subpart J, 40 CFR 60.105(e)(3)(ii).
	Fuel	Weekly fuel sampling for total sulfur.	5.AE.13.3	PSD PTC, 5/8/2007.
		Hourly and monthly fuel amount records.	5.AE.13.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Hourly and monthly recordkeeping requirement.	5.AE.13.5	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	PM/PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
AE-082	Flare Operation	See flare requirements in AW-000.		
AE-200, AE-202	HAP	Control exemption records.	5.AE.200.1	Subpart EEEE, 40 CFR 63.2343(a)
AF-000	**Plant 12 Isomax (ISO) I**			
AF-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AF-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AF-021	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AF.21.1	Subpart J, 40 CFR 60.105(a)(4)) (Consent Decree, PTC, 12/9/2005)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.AF.21.2	Subpart J, 40 CFR 60.105(e)(3)(ii) (Consent Decree, PTC, 12/9/2005)
	Fuel	Weekly fuel sampling for total sulfur.	5.AF.21.3	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.AF.21.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Hourly and monthly recordkeeping requirement.	5.AF.21.5	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AF-024	Fuel H_2S	See requirements for AF-021.		
	Fuel			
	SO_2			
AF-025	Fuel H_2S	See requirements for AF-021.		
	Fuel			
	SO_2			
AF-026	Fuel H_2S	See requirements for AF-021.		
	Fuel			
	SO_2			
AF-098	Flare Operation	See flare requirements in AW-000.		
AG-000	**Plant 15 Rheniformer I/ NHT I**			
AG-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AG-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AG-004	HAP	Control exemption records.	5.AG.4.1	Subpart EEEE, 40 CFR 63.2343(a)
AG-041	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AG.41.1	Subpart J, 40 CFR 60.105(a)(4)) (Consent Decree, PTC, 12/9/2005)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.AG.41.2	Subpart J, 40 CFR 60.105(e)(3)(ii) (Consent Decree, PTC, 12/9/2005)
	SO_2	Hourly and monthly recordkeeping requirement.	5.AG.41.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.AG.41.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.AG.41.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AG-042	Fuel H_2S	See requirements for AG-041.		
	SO_2			
	Fuel			
AG-043	Fuel H_2S	See requirements for AG-041.		
	SO_2			
	Fuel			
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
AG-063	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AG-064	Inorganic HAP (HCl)	As necessary, performance test; EPA Reference Method 26.	5.AG.64.1	Subpart UUU, 40 CFR 63.1567(b)(2) & Table 25.
		Establish site-specific operating limit for HCl concentration.	5.AG.64.2	Subpart UUU, 40 CFR 63.1567(b)(3) & Table 25.
		Every 4 hours during coke burn-off and catalyst rejuvenation, monitor and record the HCl concentrations of the catalyst regenerator exhaust gas; colorimetric tube sampling system.	5.AG.64.3	Subpart UUU, 40 CFR 63.1567(c)(1) & Table 28.
		Semiannual deviation report.	5.AG.64.4	Subpart UUU, 40 CFR 63.1575(a) & Table 43.
AH-000	**Plant 16 Fluidized Catalytic Cracking**			
AH-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AH-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AH-051	PM/ PM_{10}	Annual stack test using EPA Methods 1-5B or 5F and equation in 40 CFR 60.106(b)(1).	5.AH.51.1	PTC, 12/9/2005 (Consent Decree)
		Monthly maximum and average records of the 3-hour PM emission rate (lb/hr).	5.AH.51.20	PTC, 5/24/2005
		Monthly total PM emissions (TPY) records determined on a 12-month rolling total.		
	Coke burn-off rate (PM)	Daily-average coke burn-off rate and associated operating hours determined using 40 CFR 60.106(b).	5.AH.51.2	Subpart J, 40 CFR 60.105(c); PTC, 12/9/2005 (Consent Decree); Subpart UUU, 40 CFR 63.1562(a)(1)
	Fresh feed sulfur content (SO_2)	12-hour fresh feed sample collection.	5.AH.51.3	Subpart J, 40 CFR 60.106(j); PTC, 12/9/2005 (Consent Decree); See Appendix D, EPA Letter Dated 1/31/2005
		Feed sulfur content data records.	5.AH.51.4	Subpart J, 40 CFR 60.107(b)(3), (4); PTC, 12/9/2005 (Consent Decree)
		Semiannual sulfur content report.	5.AH.51.5	Subpart J, 40 CFR 60.107(c)(3), (c)(6), (e), (f); PTC, 12/9/2005 (Consent Decree)
	SO_2	SO_2 and O_2 CEMS in accordance with 40 CFR 60.13.	5.AH.51.6	PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emission report in accordance with 40 CFR 60.7(c).	5.AH.51.7	
		Monthly maximum and average records of the 3-hour SO_2 emission rate (lb/hr) determined by the CEMS.	5.AH.51.17	PTC, 5/24/2005
		Monthly total SO_2 emissions (TPY) records determined on a 12-month rolling total.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	CO	CO and O_2 CEMS in accordance with 40 CFR 60.13.	5.AH.51.8	Subpart J, 40 CFR 60.105(a)(2); PTC, 12/9/2005 (Consent Decree); Subpart UUU, 40 CFR 63.1565(a)(1)
		Semiannual excess emission report in accordance with 40 CFR 60.7(c).	5.AH.51.9	Subpart J, 40 CFR 60.105(e)(2); PTC, 12/9/2005 (Consent Decree); Subpart UUU, 40 CFR 63.1565(a)(1)
		Monthly maximum and average records of the 1-hour CO emission rate (lb/hr) determined by the CEMS.	5.AH.51.15	PTC, 5/24/2005
		Monthly total CO emissions (TPY) records determined on a 12-month rolling total.		
	Opacity	Opacity CMS in accordance with 40 CFR 60.11 and 60.13.	5.AH.51.10	Subpart J, 40 CFR 60.105(a)(1); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emission report in accordance with 40 CFR 60.7(c).	5.AH.51.11	Subpart J, 40 CFR 60.105(e)(1); PTC, 12/9/2005 (Consent Decree)
		Monthly average 6-minute opacity records determined by the CMS.	5.AH.51.18	PTC, 5/24/2005
	NO_x	NO_x CEMS in accordance with 40 CFR 60.13.	5.AH.51.12	PTC, 5/24/2005
		Monthly maximum and average records of the 3-hour NO_x emission rate (lb/hr) determined by the CEMS.	5.AH.51.16	
		Monthly total NO_x emissions (TPY) records determined on a 12-month rolling total.		
	Sulfuric Acid	Performance testing; EPA Reference Method 8, 40 CFR Part 60, Appendix A	5.B.1.1, 5.B.1.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Monthly maximum and average records of the 3-hour sulfuric acid emission rate (lb/hr) determined by the CEMS.	5.AH.22	PTC, 5/24/2005
		Monthly total sulfuric acid emissions (TPY) records determined on a 12-month rolling total.		
	NH_3	Daily ammonia injection monitoring.	5.AH.51.13	PTC, 5/24/2005
		Monthly maximum and average records of the NH_3 emission rate (lb/hr).	5.AH.51.19	PTC, 5/24/2005
		Monthly total NH_3 emissions (TPY) records determined on a 12-month rolling total.		
	HCN	Biennial stack testing; EPA Conditional Test Method CTM-033	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 18, 25, or 25A	5.B.1.1	PTC, 5/24/2005; 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Monitoring Plan submittal.	5.AH.51.14	PTC, 5/24/2005
		Monthly maximum and average records of the 3-hour VOC emission rate (lb/hr).	5.AH.51.21	
		Monthly total VOC emissions (TPY) records determined on a 12-month rolling total.		
AH-052	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AH.52.1	Subpart J, 40 CFR 60.105(a)(4))

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AH.52.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	Fuel	Weekly fuel sampling for total sulfur.	5.AH.52.3	PTC, 5/24/2005
		Hourly and monthly fuel amount records.	5.AH.52.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Hourly and monthly recordkeeping requirement.	5.AH.52.5	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Continuous O_2 monitor.	5.AH.52.7	PTC, 5/24/2005
		Excess O_2 records.	5.AH.52.8	
		Monthly maximum and average 3-hour PM/PM_{10} emission rate (lb/hr).	5.AH.52.9	
		Monthly total PM/PM_{10} emissions (TPY) records determined on a 12-month rolling total.		
	Opacity	Continuous O_2 monitor.	5.AH.52.7	PTC, 5/24/2005
		Monthly opacity compliance demonstration.	5.AH.52.10	
	NO_x	NO_x CEMS in accordance with 40 CFR 60.13.	5.AH.52.11	PTC, 5/24/2005; PTC, 9/4/2008 (Consent Decree)
		Monthly maximum and average records of the 3-hour NO_x emission rate (lb/hr) determined by the CEMS.	5.AH.52.12	PTC, 5/24/2005
		Monthly total NO_x emissions (TPY) records determined on a 12-month rolling total.		
		Daily average NO_x emissions (lb/MMBTU) and the rolling 365-day average NO_x emissions (lb/MMBTU) records.	5.AH.52.13	PTC, 9/4/2008 (Consent Decree)
	CO	CO CEMS in accordance with 40 CFR 60.13.	5.AH.52.14	PTC, 5/24/2005
		Monthly maximum and average records of the 3-hour CO emission rate (lb/hr) determined by the CEMS.	5.AH.52.15	
		Monthly total CO emissions (TPY) records determined on a 12-month rolling total.		
AH-071	Flare Operation	See flare requirements in AW-000.		
AI-000	**Plant 17 Alkylation I**			
AI-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AI-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AI-076	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AJ-000	**Plant 18 Treaters I**			
AJ-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AJ-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AJ-053	HAP	Exemption records and reporting requirements.	5.AJ.53.1	Subpart EEEE, 40 CFR 63.2343(b)
AJ-086	Flare Operation	See flare requirements in AW-000.		
AJ-087, AJ-088	Vent Identification	Group 2 recordkeeping requirement.	5.AJ.87.1	Subpart CC, 40 CFR 63.654(i)(4)
AK-000	**Plant 20 Light Ends Recovery (LER) I**			
AK-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AK-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AK-079	Flare Operation	See flare requirements in AW-000.		
AL-000	**Plant 21 Boiler Plant (Includes N2 Plant)**			
AL-104, AL-105, AL-106	CO	CEMS in accordance with performance specifications of 40 CFR Part 60, Appendix B.	5.AL.104.1	PSD PTC, 10/20/2006
		3-hr average and 12-month emission rate records.	5.AL.104.2	
		Within 60 days of maximum production or 180 days of startup, initial performance test; EPA Reference Method 10A, 40 CFR Part 60, Appendix A.	5.AL.104.3	
		Record keeping requirements.	5.AL.104.4	
	NO_x	CEMS in accordance with 40 CFR 60.48b.	5.AL.104.5	40 CFR 60.46b(e)
		Within 60 days of maximum production or 180 days of startup, CEMS initial performance test in accordance with §60.8.	5.AL.104.6	40 CFR 60.46b(e)(1)
		Within 60 days of maximum production or 180 days of startup, initial performance test; EPA Reference Method 7, 7A, or 7E, 40 CFR Part 60, Appendix A.	5.AL.104.3	PSD PTC, 10/20/2006
		Continuous NO_x compliance on a 30-day rolling average.	5.AL.104.7	40 CFR 60.46b(e)(3)
		Initial startup date notification.	5.AL.104.8	40 CFR 60.49b(a)
		Initial CEMS performance test data submittal.	5.AL.104.9	40 CFR 60.49b(b)
		Daily fuel records and annual capacity factor.	5.AL.104.10	40 CFR 60.49b(d)
		Daily operating records.	5.AL.104.11	40 CFR 60.49b(g)
		Semiannual report of the operating records.	5.AL.104.12	40 CFR 60.49b(i)
		Semiannual excess emissions report.	5.AL.104.13	40 CFR 60.49b(h)(2) and (4)
		3-hr average, 365-day average, and 12-month emission rate records.	5.AL.104.22	PSD PTC, 10/20/2006
	PM/PM_{10}	Within 60 days of maximum production or 180 days of startup, Initial performance test; EPA Reference Method 201 or 201A and 202.	5.AL.104.3	PSD PTC, 10/20/2006
		Monthly average heat input (MMBTU/hr) records.	5.AL.104.17	
		Monthly, yearly calculated PM/PM_{10} emissions.		
	Fuel	Weekly fuel sampling for total sulfur.	5.AL.104.18	PSD PTC, 10/20/2006

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Hourly and monthly fuel amount records.	5.AL.104.19	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Within 60 days of maximum production or 180 days of startup, Initial performance test; EPA Reference Method 6 or 6C.	5.AL.104.3	PSD PTC, 10/20/2006
		Hourly and monthly recordkeeping requirement.	5.AL.104.20	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Opacity	Within 60 days of maximum production or 180 days of startup, Initial performance test; EPA Reference Method 9. (To be in conjunction with another performance test)	5.AL.104.3	PSD PTC, 10/20/2006
AL-104, AL-105	Fuel H_2S	Within 60 days of maximum production or 180 days of startup, initial performance test in accordance with §60.8.	5.AL.104.14	Subpart Ja, 40 CFR 60.104a(a) and (j)
		Definition of excess emissions.	5.AL.104.24	Subpart Ja, 40 CFR 60.107a(i)
		Excess emissions reports.	5.AL.104.27	Subpart Ja, 40 CFR 60.108a(d)
	Fuel H_2S	Continuous H_2S monitor.	5.AL.104.15	Subpart Ja, 40 CFR 60.107a(a)(2)
		Fuel gas streams exempt from H_2S monitoring.	5.AL.104.16	Subpart Ja, 40 CFR 60.107a(a)(3)
		Records of exemptions from fuel gas monitoring.	5.AL.104.25	Subpart Ja, 40 CFR 60.108a(c)(5)
	SO_2	Records of discharges > 500 lb the short-term SO_2 emission limit listed in §60.102a(g)(1) any 24-hour period.	5.AL.104.26	Subpart Ja, 40 CFR 60.108a(c)(6)
AL-106	Fuel H_2S	Continuous H_2S monitor.	5.AL.106.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AL.106.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
AM-000	**Plant 22 Hydrofiner**			
AM-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AM-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AM-093	Flare Operation	See flare requirements in AW-000.		
AM-111	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AM.111.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AM.111.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	Fuel	Weekly fuel sampling for total sulfur.	5.AM.111.3	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.AM.111.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Hourly and monthly recordkeeping requirement.	5.AM.111.5	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
AN-000	**Plant 24 Aromax**			
AN-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AN-002	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003).		
AN-003	Maintenance Wastewater	Start-up, Shutdown, and Malfunction (SSM) Plan	5.AN.3.1	Subpart A, 40 CFR 63.6(e)(3)(v)
		Periodic and Immediate SSM reports.	5.AN.3.2	Subpart A, 40 CFR 63.10(d)(5)
AN-004	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AN-005	HAP	CMPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AN-006	Heat Exchange System	CMPU recordkeeping and reporting requirements	5.AN.6.1, 5.AN.6.2	Subpart F, 40 CFR 63.104(f)
		Start-up, Shutdown, and Malfunction (SSM) Plan	See SSM requirements for AN-003	
		Periodic and Immediate SSM reports		
AN-015	HAP	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AN.15.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AN.15.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AN.15.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AN.15.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AN.15.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AN.15.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AN.15.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AN.15.8, 5.AN.15.9, 5.AN.15.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AN.15.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AN.15.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AN.15.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AN.15.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AN.15.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AN.15.16	Subpart FF, 40 CFR 61.357(d)(8)
AN-016	HAP	CMPU Group 2 wastewater recordkeeping and reporting requirements (See AC-002).		
AN-097	Flare Operation	See flare requirements in AW-000.		
AN-098	VOC	No monitoring since vent is introduced with the primary fuel (See Appendix C).		
AN-099	HAP	See requirements for AN-097.		
AN-404	VOC	No monitoring since vent is introduced with the primary fuel (See Appendix C). **(When routing to the fuel gas system)**		
		See requirements for AN-097. **(When NOT routing to the fuel gas system)**		
	HAP	Monthly bypass seal or closure visual inspection.	5.AN.404.1	Subpart G, 40 CFR 63.114(d)(2)
		Monthly bypass seal or closure inspection records.	5.AN.404.2	Subpart G, 40 CFR 63.118(a)(4)
		Semiannual inspection report.	5.AN.404.3	Subpart G, 40 CFR 63.152(c)
AN-405	VOC	Process design records.	5.AN.405.1	**(When routing to the distillation operation)** Subpart RRR, 40 CFR 60.705(r)
		See requirements for AN-097. **(When NOT routing to the distillation operation)**		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AN-426	VOC	No monitoring since vent is introduced with the primary fuel (See Appendix C). **(Routed to the fuel gas system)**		
AN-427	VOC	No monitoring since vent is introduced with the primary fuel (See Appendix C). **(When routing to the fuel gas system)**		
		Continuous flow-monitor records.	5.AN.427.1	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(d)
		Semiannual flow diversion reports.	5.AN.427.2	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(l)(2)
AN-752	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AN.752.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AN.752.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	NO_x	Biennial stack testing; EPA Reference Method 7.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO	Biennial stack testing; EPA Reference Method 10.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 25.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.AN.752.3	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.AN.752.4	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Hourly and monthly recordkeeping requirement.	5.AN.752.5	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
AN-753	Fuel H_2S	See requirements for AN-752.		
	NO_x			
	CO			
	VOC			
	Fuel			
	SO_2			
	PM/ PM_{10}			
	O_2			
AO-000	**Plant 27 H_2S II/ SRU II & III**			
AO-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AO-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AO-004, AO-005	SO_2	Continuous monitor.	5.AO.4.1	Subpart J, 40 CFR 60.105(a)(5); PTC, 9/4/2008 (Consent Decree)
		Semiannual excess emissions reports.	5.AO.4.2	Subpart J, 40 CFR 60.105(e)(4)(i), Subpart J, 40 CFR 60.107(e) and (f); PTC, 9/4/2008 (Consent Decree)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AO-013	Flare Operation	See flare requirements in AW-000.		
AO-020, AO-021	HAP	Group determination record.	5.AO.20.1	Subpart CC, 40 CFR 63.646(b)(1)
			5.AO.20.2	Subpart CC, 40 CFR 63.654(i)(1)(iv)
AO-198	VOC	60-day initial-fill gap measurements for primary and secondary seals.	5.AO.198.1	Subpart K_a, 40 CFR 60.113a(a)(1)
		5-year primary seal gap measurements.		
		Annual secondary seal gap measurements.		
		Seal gap measurement notification.	5.AO.198.2	Subpart K_a, 40 CFR 60.113a(a)(1)(iv)
		Seal gap measurement recordkeeping.	5.AO.198.3	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(D)
		Seal gap measurement reporting.	5.AO.198.4	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(E)
AP-000	**Plant 29 Ethylbenzene Complex**			
AP-001	Equipment Leaks	PRPU and CMPU recordkeeping and reporting requirements (See AC-003).		
AP-002	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003)		
AP-003	Maintenance Wastewater	Start-up, Shutdown, and Malfunction (SSM) Plan	5.AP.3.1	Subpart A, 40 CFR 63.6(e)(3)(v)
		Periodic and Immediate SSM reports.	5.AP.3.2	Subpart A, 40 CFR 63.10(d)(5)
AP-004	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AP-005	HAP	CMPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AP-006	Heat Exchange System	CMPU recordkeeping and reporting requirements.	5.AP.6.1 5.AP.6.2	Subpart F, 40 CFR 63.104(f)
		Start-up, Shutdown, and Malfunction (SSM) Plan	See SSM requirements for AP-003.	
		Periodic and Immediate SSM reports		
AP-018	Flare Operation	See flare requirements in AW-000.		
AP-124	SO_2	Hourly and monthly recordkeeping requirement.	5.AP.124.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Monthly maximum and average records of the 3-hour NO_x emission rate (lb/hr) determined by calculation.	5.AP.124.1	PTC, 5/24/2005
		Annual NO_x emissions (TPY) records determined on a 12-month rolling total.		
	CO	CO Analyzer.	5.AP.124.6	PTC, 5/24/2005
		Monthly maximum and average records of the 3-hour CO emission rate (lb/hr) determined by calculation.	5.AP.124.1	
		Annual CO emissions (TPY) records determined on a 12-month rolling total.		
	Combustion Temperature (NO_x)	Continuous monitoring system.	5.AP.124.2	PTC, 5/24/2005
		Monthly maximum and average records of the 3-hour combustion temperature determined by the CMS.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	O_2 (NO_x)	Continuous monitoring system.	5.AP.124.2	PTC, 5/24/2005.
		Monthly flue-gas-oxygen content records determined by the CMS.		
	Fuel	Monthly fuel sampling for sulfur content.	5.AP.124.4	PTC 5/24/2005
		Semiannual fuel analysis report.		
		Hourly and monthly fuel amount records.	5.AP.124.5	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
AP-225	VOC	Process design records.	5.AP.225.1	**(When routing to the distillation operation)** Subpart RRR, 40 CFR 60.705(r)
	HAP	Monthly bypass seal or closure visual inspection.	5.AP.225.2	Subpart G, 40 CFR 63.114(d)(2)
		Monthly bypass seal or closure inspection records.	5.AP.225.3	Subpart G, 40 CFR 63.118(a)(4)
		Semiannual inspection report.	5.AP.225.4	Subpart G, 40 CFR 63.152(c)
AQ-000	**Plant 32 Effluent Treating System, Utilities**			
AQ-001	VOC	Quarterly leak detection monitoring	5.AQ.1.1	PTC, 1/8/2008, modified 11/13/12
		15-day leak detection repair procedures	5.AQ.1.2	PTC, 1/8/2008, modified 11/13/12
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., "leak less")	5.AQ.1.3	PTC, 1/8/2008, modified 11/13/12
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
AQ-002	HAP	PRPU, CMPU, & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AQ-040	Benzene	Annual fixed roof non-detect emissions sampling using methods in §61.355(h)	5.AQ.40.1	Subpart FF, 40 CFR 61.352(b); Subpart FF, 40 CFR 61.347(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AQ.40.2	Subpart FF, 40 CFR 61.352(b); Subpart FF, 40 CFR 61.347(b)
		15-day fixed roof repair requirement.	5.AQ.40.3	Subpart FF, 40 CFR 61.352(b); Subpart FF, 40 CFR 61.347(c)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AQ.40.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AQ.40.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AQ.40.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AQ.40.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AQ.40.8, 5.AQ.40.9, 5.AQ.40.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AQ.40.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AQ.40.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AQ.40.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AQ.40.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AQ.40.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AQ.40.16	Subpart FF, 40 CFR 61.357(d)(8)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AQ-041	Benzene	Semiannual floating roof visible inspection requirements.	5.AQ.41.1	Subpart FF, 40 CFR 61.352(a)(1), Subpart QQQ, 40 CFR 60.693-2(a)(5)(i)
		30-day repair requirements.	5.AQ.41.2	Subpart FF, 40 CFR 61.352(a)(1), Subpart QQQ, 40 CFR 60.693-2(a)(5)(ii)
AQ-042, AQ-043	Benzene	See requirements for AQ-040.		
AQ-044	Benzene	See requirements for AQ-041.		
AQ-045, AQ-046, AQ-047, AQ-048	Benzene	See requirements for AQ-040.		
AQ-049	Benzene	See requirements for AQ-041.		
AQ-050	Benzene	See requirements for AQ-040.		
AQ-051, AQ-052	Benzene	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AQ.51.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AQ.51.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AQ.51.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AQ.51.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AQ.51.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AQ.51.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AQ.51.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AQ.51.8, 5.AQ.51.9, 5.AQ.51.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AQ.51.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AQ.51.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AQ.51.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AQ.51.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AQ.51.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AQ.51.16	Subpart FF, 40 CFR 61.357(d)(8)
AQ-054, AQ-055	PM, SO_2	Monthly fuel records.	5.AQ.54.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AQ-060, AQ-061	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual benzene concentration determination.	5.AQ.60.1	Subpart FF, 40 CFR 61.342(c)(2)
		Recordkeeping requirements for uncontrolled benzene waste streams.	5.AQ.60.2	Subpart FF, 40 CFR 61.356(b)(1)
AQ-065, AQ-066	Benzene	Annual benzene concentration determination.	5.AQ.60.1	Subpart FF, 40 CFR 61.342(c)(2)
		Recordkeeping requirements for uncontrolled benzene waste streams.	5.AQ.60.2	Subpart FF, 40 CFR 61.356(b)(1)
AQ-100	Benzene	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AQ.100.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Quarterly fixed-roof visual inspection.	5.AQ.100.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AQ.100.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AQ.100.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AQ.100.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AQ.100.6	Subpart FF, 40 CFR 61.349(g)
		Monthly inspect closure mechanism on bypass line valve.	5.AQ.100.7	Subpart FF, 40 CFR 61.354(f)(1)
		Control device monitoring requirement.	5.AQ.100.8	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AQ.100.9, 5.AQ.100.10, 5.AQ.100.11	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AQ.100.12	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AQ.100.13	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AQ.100.14	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AQ.100.15	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AQ.100.16	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AQ.100.17	Subpart FF, 40 CFR 61.357(d)(8)
	H_2S	Develop and implement monitoring plan	5.AQ.100.21	PTC 1/8/2008 modified 11/13/2012
AQ-110, AQ-120, AQ-130	Benzene	5-year primary seal gap measurements.	5.AQ.110.1	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Annual secondary seal gap measurements.	5.AQ.110.2	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		60-day seal gap measurements for refilling.	5.AQ.110.3	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Seal gap measurement procedures.	5.AQ.110.4	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(2); Subpart K_b, 40 CFR 60.113b(b)(3)
		45-day repair requirements.	5.AQ.110.5	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(4)
		Empty or degassed tank inspection requirements.	5.AQ.110.6	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(6)
		60-day gap measurement reporting requirement (Initial Fill Only).	5.AQ.110.7	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(2)
		Gap measurement recordkeeping requirement.	5.AQ.110.8	Subpart FF, 40 CFR 61.356(k); Subpart K_b, 40 CFR 60.115b(b)(3)
		30-day repairs report.	5.AQ.110.9	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(4)
AQ-154	Benzene	See requirements for AQ-065.		
AQ-200, AQ-250, AQ-300	Benzene	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AQ.200.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AQ.200.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AQ.200.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AQ.200.4	Subpart FF, 40 CFR 61.349(a)(1)(i)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Quarterly closed-vent system and control device visual inspection.	5.AQ.200.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AQ.200.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AQ.200.8	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AQ.200.9, 5.AQ.200.10, 5.AQ.200.11	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AQ.200.12	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AQ.200.13	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AQ.200.14	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AQ.200.15	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AQ.200.16	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AQ.200.17	Subpart FF, 40 CFR 61.357(d)(8)
	H_2S	Develop and implement monitoring plan	5.AQ.200.21	PTC 1/8/2008 modified 11/13/2012
AQ-220, AQ-390, AQ-400, AQ-3200 AQ-3203 AQ-3204 AQ-3205	Benzene	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AQ.220.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AQ.220.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AQ.220.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AQ.220.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AQ.220.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AQ.220.6	Subpart FF, 40 CFR 61.349(g)
		Monthly inspect closure mechanism on bypass line valve.	5.AQ.220.7	Subpart FF, 40 CFR 61.354(f)(1)
		Control device monitoring requirement.	5.AQ.220.8	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AQ.220.9, 5.AQ.220.10, 5.AQ.220.11	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AQ.220.12	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AQ.220.13	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AQ.220.14	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AQ.220.15	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AQ.220.16	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AQ.220.17	Subpart FF, 40 CFR 61.357(d)(8)
	H_2S	Develop and implement monitoring plan	5.AQ.220.21	PTC 1/8/2008 modified 11/13/2012

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AQ-32201A/B, AQ-32202A/B, AQ-32203A/B, AQ-32204A/B (Firewater Pumps)	NMHC+NOx, PM (filterable only), SO_2	Recordkeeping – Install certified engine	5.AQ.32201.1	Subpart IIII, 40 CFR 60.4211(c) and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)
		Recordkeeping – Operation and Maintenance	5.AQ.32201.2	Subpart IIII, 40 CFR 60.4211(a) and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)
		Recordkeeping – Hours of Operation	5.AQ.32201.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)
		Recordkeeping – Fuel Specification	5.AQ.32201.4	Subpart IIII, 40 CFR 60.4207(b) and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2)
AR-000	**Plant 33 Coke Conveyor & Storage**			
AR-001	HAP	Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AR-002	Opacity	Daily visible emission monitoring and record keeping; EPA Reference Method 22.	5.AR.2.1	PSD PTC, 6/12/2001
		Semiannual deviation report.	5.AR.2.2	
AS-000	**Plant 34 Blending**			
AS-001	HAP	PRPU, CMPU, & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AS-002	HAP	Control exemption records.	5.AS.2.1	Subpart EEEE, 40 CFR 63.2343(a)
AS-003	Equipment Leaks	Quarterly leak detection monitoring	5.AS.3.1	PSD PTC, 5/8/2007
		15-day leak detection repair procedures	5.AS.3.2	PSD PTC, 5/8/2007
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., “leak less”)	5.AS.3.3	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-004, AS-005, AS-006, AS-007	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AS.4.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AS.4.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AS.4.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AS.4.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AS.4.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AS.4.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AS.4.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AS.4.8, 5.AS.4.9, 5.AS.4.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AS.4.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AS.4.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AS.4.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AS.4.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AS.4.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AS.4.16	Subpart FF, 40 CFR 61.357(d)(8)
AS-008, AS-009	Equipment Leaks	PRPU and CMPU recordkeeping and reporting requirements (See AC-003).		
AS-010	VOC	Monthly VOC monitoring.	5.AS.10.1	PSD PTC, 5/8/2007
		Monthly average VOC concentration records and the monthly VOC emissions rate in tons.	5.AS.10.3	
		Semiannual total VOC emissions report in TPY.	5.AS.10.5	
	Inlet Water Flowrate	Continuous inlet water flowrate in gallons per minute.	5.AS.10.2	
		Monthly cooling water flowrate records.	5.AS.10.3	
	Operating limits	Operating parameter records.	5.AS.10.4	
		Semiannual operating parameter report.	5.AS.10.5	
AS-014	Flare Operation	See flare requirements in AW-000.		
AS-019	PM	Monthly fuel records.	5.AS.19.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2			
AS-029, AS-030, AS-032, AS-033	HAP	Group determination record.	5.AS.29.1, 5.AS.29.2	Subpart CC, 40 CFR 63.646(b)(1), Subpart CC, 40 CFR 63.654(i)(1)(iv)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-035	HAP	Annual internal floating roof inspection requirements. (hatch inspection)	5.AS.35.1	Subpart G, 40 CFR 63.120(a)(3)(ii)
		10-year internal floating roof inspection requirements. (empty tank)	5.AS.35.2	Subpart G, 40 CFR 63.120(a)(3)(iii)
		45-day internal floating roof repair requirement.	5.AS.35.3	Subpart G, 40 CFR 63.120(a)(4)
		30-day tank refilling notification.	5.AS.35.4	Subpart G, 40 CFR 63.120(a)(5) & (6); Subpart G, 40 CFR 63.122(h)(1)(i)
		Tank repair prior to refilling requirements.	5.AS.35.5	Subpart G, 40 CFR 63.120(a)(7)
		Tank information recordkeeping.	5.AS.35.6	Subpart G, 40 CFR 63.123(a)
		Tank inspection recordkeeping.	5.AS.35.7	Subpart G, 40 CFR 63.123(c)
		Tank emptying-for-repair extension records.	5.AS.35.8	Subpart G, 40 CFR 63.123(g)
		Semiannual periodic report.	5.AS.35.9	Subpart G, 40 CFR 63.152(c) Subpart G, 40 CFR 63.122(d)
AS-070, AS-071	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Pre-fill visual inspection requirements.	5.AS.70.1	Subpart FF, 40 CFR 61.351(a)(1); Subpart K_b, 40 CFR 60.113b(a)(1)
		Annual primary seal and internal floating roof visual inspection requirements.	5.AS.70.2	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(a)(2)
		30-day defect notification report.	5.AS.70.3	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(a)(3)
		45-day repair requirements.	5.AS.70.4	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(a)(2)
		10-year empty or degassed vessel inspection requirements.	5.AS.70.5	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(a)(4)
		30-day refill notification requirements.	5.AS.70.6	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(a)(5)
		Inspection recordkeeping requirements.	5.AS.70.7	Subpart FF, 40 CFR 61.356(k); Subpart K_b, 40 CFR 60.115b(a)(2)
AS-072	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual benzene concentration determination.	5.AS.72.1	Subpart FF, 40 CFR 61.342(c)(2)
		Recordkeeping requirements for uncontrolled benzene waste streams.	5.AS.72.2	Subpart FF, 40 CFR 61.356(b)(1)
AS-073	HAP	See requirements for AS-070.		
AS-075, AS-076	HAP	See requirements for AS-072.		
AS-085	HAP	Exemption records and reporting requirements.	5.AS.85.1	Subpart EEEE, 40 CFR 63.2343(b)
AS-101	HAP	See requirements for AS-029.		
AS-102	HAP	See requirements for AS-103.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-103	HAP	5-year primary seal gap measurements.	5.AS.103.1	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(i)
		Annual secondary seal gap measurements.	5.AS.103.2	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iii)
		90-day seal gap measurements for refilling.	5.AS.103.3	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iv)
		Seal gap measurement procedures.	5.AS.103.4	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(2), Subpart G, 40 CFR 63.120(b)(3), Subpart G, 40 CFR 63.120(b)(4)
		Additional primary seal requirements.	5.AS.103.5	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(5)
		Additional secondary seal requirements.	5.AS.103.6	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(6)
		Unsafe roof provisions.	5.AS.103.7	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(7)
		45-day failure repair requirements.	5.AS.103.8	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(8)
		30-day notification for seal gap measurements.	5.AS.103.9	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(9)
		Empty or degassed tank inspection requirements.	5.AS.103.10	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(10)
		Tank dimension records.	5.AS.103.11	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(a)
		Seal gap measurement records.	5.AS.103.12	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(d)
		Semiannual periodic reports for seal gap failures.	5.AS.103.13	Subpart CC, 40 CFR 63.654(g)(3)
		5-year recordkeeping requirement.	5.AS.103.14	Subpart CC, 40 CFR 63.654(i)(4)
AS-104	HAP	See requirements for AS-029 when in MACT CC Group II service. See requirements for AS-144 when in Sour Water service.		
AS-111,	HAP	See requirements for AS-029.		
AS-112, AS-113	HAP	See requirements for AS-103.		
AS-114	HAP	See requirements for AS-029.		
AS-120, AS-121, AS-122, AS-123, AS-124	HAP	See requirements for AS-029.		
AS-130	HAP	See requirements for AS-144 when in Sour Water service See requirements for AS-103 when in MACT CC Group I service.		
AS-131, AS-132, AS-133, AS-134	HAP	See requirements for AS-029.		
AS-140	HAP	See requirements for AS-104.		
AS-141	HAP	See requirements for AS-103.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-142	HAP	Annual internal floating roof inspection requirements. (hatch inspection)	5.AS.142.1	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(a)(3)(ii)
		10-year internal floating roof inspection requirements. (empty tank)	5.AS.142.2	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(a)(3)(iii)
		45-day internal floating roof repair requirement.	5.AS.142.3	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(a)(4)
		30-day tank refilling notification.	5.AS.142.4	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(a)(5) & (6); Subpart CC, 40 CFR 63.654(h)(1)(i)
		Tank repair prior to refilling requirements.	5.AS.142.5	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(a)(7)
		Tank information recordkeeping.	5.AS.142.6	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(a)
		Tank inspection recordkeeping.	5.AS.142.7	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(c)
		Tank emptying-for-repair extension records.	5.AS.142.8	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(g)
		Semiannual periodic report.	5.AS.142.9	Subpart CC, 40 CFR 63.654(g)(2)
AS-143	HAP	See requirements for AS-103.		
AS-144	HAP	5-year primary seal gap measurements.	5.AS.144.1	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Annual secondary seal gap measurements.	5.AS.144.2	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		60-day seal gap measurements for refilling.	5.AS.144.3	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		Seal gap measurement procedures.	5.AS.144.4	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(2), Subpart K_b, 40 CFR 60.113b(b)(3)
		45-day repair requirements.	5.AS.144.5	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(4)
		Empty or degassed tank inspection requirements.	5.AS.144.6	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(6)
		60-day gap measurement reporting requirement (Initial Fill Only).	5.AS.144.7	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(2)
		Gap measurement recordkeeping requirement.	5.AS.144.8	Subpart FF, 40 CFR 61.356(k); Subpart K_b, 40 CFR 60.115b(b)(3)
		30-day repairs report.	5.AS.144.9	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(4)
AS-150, AS-151, AS-152	HAP	See requirements for AS-103.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-153, AS-154	HAP	See requirements for AS-029.		
	VOC	Annual floating roof inspections.	5.AS.153.1	PTC, 11/18/91; Subpart K_b, 40 CFR 60.113b(a)(2)
		45-day repair requirements.	5.AS.153.2	
		Empty or degassed tank inspection requirements.	5.AS.153.3	PTC, 11/18/91; Subpart K_b, 40 CFR 60.113b(a)(4)
		10-year empty tank inspection requirements.	5.AS.153.4	
		30-day tank filling notification requirements.	5.AS.153.5	PTC, 11/18/91; Subpart K_b, 40 CFR 60.113b(a)(5)
		Tank inspection recordkeeping requirements.	5.AS.153.6	PTC, 11/18/91; Subpart K_b, 40 CFR 60.115b(a)(2)
		30-day tank inspection report.	5.AS.153.7	PTC, 11/18/91; Subpart K_b, 40 CFR 60.115b(a)(3)
AS-160, AS-161	HAP	See requirements for AS-103.		
AS-162	HAP	See requirements for AS-142.		
AS-163	HAP	Tank dimension records.	5.AS.163.1	Subpart G, 40 CFR 63.123(a)
AS-164	HAP	See requirements for AS-103.		
AS-165	HAP	See requirements for AS-142.		
AS-170, AS-171,	HAP	See requirements for AS-103.		
AS-172	HAP	See requirements for AS-104.		
AS-173 AS-174	HAP	See requirements for AS-103.		
AS-175	VOC	Annual floating roof inspections.	5.AS.175.1	Subpart K_b, 40 CFR 60.113b(a)(2)
		45-day repair requirements.	5.AS.175.2	Subpart K_b, 40 CFR 60.113b(a)(2)
		Empty or degassed tank inspection requirements.	5.AS.175.3	Subpart K_b, 40 CFR 60.113b(a)(4)
		10-year empty tank inspection requirements.	5.AS.175.4	
		30-day tank filling notification requirements.	5.AS.175.5	Subpart K_b, 40 CFR 60.113b(a)(5)
		Tank inspection recordkeeping requirements.	5.AS.175.6	Subpart K_b, 40 CFR 60.115b(a)(2)
		Semiannual periodic report of tank inspections.	5.AS.175.7	Subpart K_b, 40 CFR 60.115b(a)(3)
AS-180, AS-181, AS-182	HAP	See requirements for AS-144.		
AS-183	HAP	See requirements for AS-103.		
AS-184	HAP	See requirements for AS-104.		
AS-190, AS-191, AS-192, AS-193	HAP	See requirements for AS-144.		
AS-194	HAP	See requirements for AS-029.		
AS-195	HAP	See requirements for AS-103.		
AS-196	HAP	See requirements for AS-029.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-200	HAP	See requirements for AS-029.		
AS-204	HAP	See requirements for AS-029.		
	H2S	Sulfatreat system monitoring requirements. See Appendix I for Sulfatreat H2S Monitoring Plan.	5.AS.204.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Sulfatreat system maintenance requirements.	5.AS.204.2	
AS-205	H_2S	Sulfatreat system monitoring requirements. See Appendix I for Sulfatreat H_2S Monitoring Plan.	5.AS.204.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Sulfatreat system maintenance requirements.	5.AS.204.2	
AS-210	HAP	See requirements for AS-029.		
AS-211, AS-212, AS-213, AS-214	H_2S	See requirements for AS-205.		
AS-220	HAP	See requirements for AS-029.		
AS-300, AS-301, AS-302, AS-304	HAP	See requirements for AS-103.		
AS-303, AS-305	HAP	See requirements for AS-142.		
AS-310, AS-312	HAP	See requirements for AS-103.		
AS-311	HAP	See requirements for AS-029.		
	VOC	5-year primary seal gap measurements.	5.AS.311.1	Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Annual secondary seal gap measurements.	5.AS.311.2	Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		60-day seal gap measurements for refilling.	5.AS.311.3	Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		Seal gap measurement procedures.	5.AS.311.4	Subpart K_b, 40 CFR 60.113b(b)(2), Subpart K_b, 40 CFR 60.113b(b)(3)
		45-day repair requirements.	5.AS.311.5	Subpart K_b, 40 CFR 60.113b(b)(4)
		30-day notification of seal gap measurements.	5.AS.311.6	Subpart K_b, 40 CFR 60.113b(b)(5)
		Empty or degassed tank inspection requirements.	5.AS.311.7	Subpart K_b, 40 CFR 60.113b(b)(6)
		60-day gap measurement reporting requirement (Initial Fill Only).	5.AS.311.8	Subpart K_b, 40 CFR 60.115b(b)(2)
		Gap measurement recordkeeping requirement.	5.AS.311.9	Subpart K_b, 40 CFR 60.115b(b)(3)
		30-day repairs report.	5.AS.311.10	Subpart K_b, 40 CFR 60.115b(b)(4)
AS-313	HAP	See requirements for AS-142.		
AS-314, AS-315, AS-316, AS-321, AS-322, AS-323	HAP	See requirements for AS-103.		
AS-320	HAP	See requirements for AS-311.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AS-324	HAP	See requirements for AS-029.		
AS-331, AS-333	HAP	See requirements for AS-103.		
AS-332	HAP	See requirements for AS-311.		
AS-340, AS-341, AS-342	HAP	See requirements for AS-035.		
AS-350, AS-351, AS-352, AS-353	HAP	See requirements for AS-029.		
AS-355	HAP	See requirements for AS-029.		
AS-360, AS-361	HAP	See requirements for AS-029.		
AS-370, AS-371, AS-372, AS-373, AS-374	HAP	See requirements for AS-029.		
AS-392	HAP	See requirements for AS-029.		
AS-400, AS-401, AS-402, AS-403, AS-404, AS-405	HAP	See requirements for AS-103.		
AS-499, AS-500, AS-501	HAP	See requirements for AS-103.		
AS-502,	HAP	See requirements for AS-029.		
AS-503, AS-504, AS-505, AS-506, AS-507, AS-508	H_2S	See requirements for AS-200.		
AT-000	**Plant 35 Pipeways**			
AT-001	HAP	PRPU, CMPU, & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AT-004	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AT-005	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003)		
AU-000	**Plant 36 Cooling Water System**			
AU-001	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AU-361	VOC	Monthly VOC monitoring using air stripping method per TCEQ Sampling Procedures Manual	5.AU.361.1	PSD PTC, 5/8/2007.
		Monthly VOC recordkeeping.	5.AU.361.4	
		Semiannual VOC emissions report.	5.AU.361.5	

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	Inlet Water Flow Rate	Continuous monitoring of inlet water flow rate in gallons per minute. See Appendix J for Cooling Tower Monitoring Plan.	5.AU.361.2	
		Monthly flow rate recordkeeping.	5.AU.361.4	
	Equipment Leak Plan	Submittal of an equipment leak and repair plan.	5.AU.361.3	
AV-000	**Plant 37 Acid & Marketing Areas**			
AV-001	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AV.1.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AV.1.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AV.1.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AV.1.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AV.1.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AV.1.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AV.1.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.AV.1.8, 5.AV.1.9, 5.AV.1.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AV.1.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AV.1.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AV.1.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AV.1.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AV.1.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AV.1.16	Subpart FF, 40 CFR 61.357(d)(8)
AV-003	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AV-004	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AV-005	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003).		
AV-006	Equipment Leaks	Quarterly leak detection monitoring	5.AV.6.1	PSD PTC, 5/8/2007
		15-day leak detection repair procedures	5.AV.6.2	PSD PTC, 5/8/2007
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., “leak less”)	5.AV.6.3	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AV-047	Caustic pH	Caustic utilization monitoring.	5.AV.47.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AV-050	HAP	5-year primary seal gap measurements.	5.AV.50.1	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(i)
		Annual secondary seal gap measurements.	5.AV.50.2	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iii)
		90-day seal gap measurements for refilling.	5.AV.50.3	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iv)
		Seal gap measurement procedures.	5.AV.50.4	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(2), Subpart G, 40 CFR 63.120(b)(3), Subpart G, 40 CFR 63.120(b)(4)
		Additional primary seal requirements.	5.AV.50.5	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(5)
		Additional secondary seal requirements.	5.AV.50.6	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(6)
		Unsafe roof provisions.	5.AV.50.7	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(7)
		45-day failure repair requirements.	5.AV.50.8	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(8)
		30-day notification for seal gap measurements.	5.AV.50.9	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(9)
		Empty or degassed tank inspection requirements.	5.AV.50.10	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(10)
		Tank dimension records.	5.AV.50.11	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(a)
		Seal gap measurement records.	5.AV.50.12	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(d)
		Semiannual periodic reports for seal gap failures.	5.AV.50.13	Subpart CC, 40 CFR 63.654(g)(3)
		5-year recordkeeping requirement.	5.AV.50.14	Subpart CC, 40 CFR 63.654(i)(4)
AV-051	HAP	Group determination record.	5.AV.51.1, 5.AV.51.2	Subpart CC, 40 CFR 63.646(b)(1), Subpart CC, 40 CFR 63.654(i)(1)(iv)
AV-052, AV-053, AV-054	HAP	See requirements for AV-050.		
AV-055, AV-056	HAP	See requirements for AV-051.		
AV-057	HAP	See requirements for AV-050.		
AV-058, AV-059	HAP	See requirements for AV-051.		
AV-060	HAP	See requirements for AV-050.		
AV-061, AV-062	HAP	See requirements for AV-051.		
AV-063	HAP	See requirements for AV-050.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AV-080	VOC	Annual floating roof inspections.	5.AV.80.1	Subpart K_b, 40 CFR 60.113b(a)(2)
		45-day repair requirements.	5.AV.80.2	Subpart K_b, 40 CFR 60.113b(a)(2)
		Empty or degassed tank inspection requirements.	5.AV.80.3	Subpart K_b, 40 CFR 60.113b(a)(4)
		10-year empty tank inspection requirements.	5.AV.80.4	
		30-day tank filling notification requirements.	5.AV.80.5	Subpart K_b, 40 CFR 60.113b(a)(5)
		Tank inspection recordkeeping requirements.	5.AV.80.6	Subpart K_b, 40 CFR 60.115b(a)(2)
		Semiannual periodic report of tank inspections.	5.AV.80.7	Subpart K_b, 40 CFR 60.115b(a)(3)
AV-122	HAP	Annual Group 2 transfer rack recordkeeping requirements.	5.AV.122.1	Subpart G, 40 CFR 63.130(f)
AV-3702	HAP	Design evaluation	5.AV.3702.1	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(d)(1)(i)(D)
		Control device maintenance downtime	5.AV.3702.2	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(d)(4)
		Monitor parameters	5.AV.3702.3	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(d)(5)
		Closed vent inspection	5.AV.3702.4	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(d)(6)
		Tank dimension records.	5.AV.3702.5	Subpart CC, 40 CFR 63.655(i)(1); Subpart G, 40 CFR 63.123(a)
		Monitor parameter records	5.AV.3702.6	Subpart CC, 40 CFR 63.655(i)(1); Subpart G, 40 CFR 63.123(f)
		Semiannual periodic reports for planned maintenance and periods outside the parameter range	5.AV.3702.7	Subpart CC, 40 CFR 63.655(g)(5)
		5-year recordkeeping requirement.	5.AV.3702.8	Subpart CC, 40 CFR 63.655(i)(5)
AW-000	**Plant 38 Flares & Relief System**			
AW-001	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AW-004	Equipment Leaks	PRPU and CMPU recordkeeping and reporting requirements (See AC-003).		
AW-005	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003).		
AW-381, AW-382	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AW.381.1	Subpart J, 40 CFR 60.105(a)(4); PTC, 5/20/2009 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AW.381.2	Subpart J, 40 CFR 60.105(e)(3)(ii) PTC, 5/20/2009 (Consent Decree)
	Flare Operation	Flare operation recordkeeping requirements.	5.AW.381.3	PTC, 5/20/2009
		Flare operation reporting requirements.	5.AW.381.4	
		Pilot flame monitoring device requirement.	5.AW.381.5	Subpart A, 40 CFR 63.11(b)(5); 40 CFR Part 63
		Hourly records of continuous flame presence and flame outage.	5.AW.381.6	40 CFR Part 63
		Semiannual reporting of pilot flame outages.	5.AW.381.7	40 CFR Part 63

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Visible emission monitoring; EPA Reference Method 22.	5.AW.381.8	Subpart A, 40 CFR 63.11(b)(4)
		Monthly bypass line monitoring requirements.	5.AW.381.9	40 CFR Part 63
		Monthly bypass line recordkeeping requirements.	5.AW.381.10	40 CFR Part 63
		Semiannual reporting of bypass line diversions.	5.AW.381.11	40 CFR Part 63
		SSM Report requirements.	5.AW.381.12	40 CFR Part 63 (See AC-001)
AW-383, AW-384	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AW.383.1	Subpart J, 40 CFR 60.105(a)(4); PTC, 5/20/2009 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AW.383.2	Subpart J, 40 CFR 60.105(e)(3)(ii) PTC, 5/20/2009 (Consent Decree)
	Flare Operation	Flare operation recordkeeping requirements.	5.AW.383.3	PTC, 5/20/2009
		Flare operation reporting requirements.	5.AW.383.4	
		Pilot flame monitoring device requirement.	5.AW.383.5	Subpart A, 40 CFR 63.11(b)(5); 40 CFR Part 63
		Hourly records of continuous flame presence and flame outage.	5.AW.383.6	40 CFR Part 63
		Semiannual reporting of pilot flame outages.	5.AW.383.7	40 CFR Part 63
		Visible emission monitoring; EPA Reference Method 22.	5.AW.383.8	Subpart A, 40 CFR 63.11(b)(4)
		Monthly bypass line monitoring requirements.	5.AW.383.9	40 CFR Part 63
		Monthly bypass line recordkeeping requirements.	5.AW.383.10	40 CFR Part 63
		Semiannual reporting of bypass line diversions.	5.AW.383.11	40 CFR Part 63
		SSM Report requirements.	5.AW.383.12	40 CFR Part 63 (See AC-001)
AW-591, AW-592	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AW.591.1	Subpart J, 40 CFR 60.105(a)(4); PTC, 9/4/2008 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AW.591.2	Subpart J, 40 CFR 60.105(e)(3)(ii) PTC, 9/4/2008 (Consent Decree)
	Flare Operation	Flare operation recordkeeping requirements.	5.AW.591.3	PTC, 9/4/2008
		Flare operation reporting requirements.	5.AW.591.4	
		Pilot flame monitoring device requirement.	5.AW.591.5	Subpart A, 40 CFR 63.11(b)(5); 40 CFR Part 63
		Hourly records of continuous flame presence and flame outage.	5.AW.591.6	40 CFR Part 63
		Semiannual reporting of pilot flame outages.	5.AW.591.7	40 CFR Part 63
		Visible emission monitoring; EPA Reference Method 22.	5.AW.591.8	Subpart A, 40 CFR 63.11(b)(4)
		Monthly bypass line monitoring requirements.	5.AW.591.9	40 CFR Part 63

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Monthly bypass line recordkeeping requirements.	5.AW.591.10	40 CFR Part 63
		Semiannual reporting of bypass line diversions.	5.AW.591.11	40 CFR Part 63
		SSM Report requirements.	5.AW.591.12	40 CFR Part 63 (See AC-001)
AW-757	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.AW.757.1	Subpart J, 40 CFR 60.105(a)(4); PTC, 9/4/2008 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.AW.757.2	Subpart J, 40 CFR 60.105(e)(3)(ii) PTC, 9/4/2008 (Consent Decree)
		Pilot flame monitoring device requirement.	5.AW.757.3	Subpart A, 40 CFR 63.11(b)(5); 40 CFR Part 63
		Hourly records of continuous flame presence and flame outage.	5.AW.757.4	40 CFR Part 63
		Semiannual reporting of pilot flame outages.	5.AW.757.5	40 CFR Part 63
		Visible emission monitoring; EPA Reference Method 22.	5.AW.757.6	Subpart A, 40 CFR 63.11(b)(4)
		Monthly bypass line monitoring requirements.	5.AW.757.7	40 CFR Part 63
		Monthly bypass line recordkeeping requirements.	5.AW.757.8	40 CFR Part 63
		Semiannual reporting of bypass line diversions.	5.AW.757.9	40 CFR Part 63
		SSM Report requirements.	5.AW.757.10	40 CFR Part 63 (See AC-001)
AX-000	**Plant 40 Light Ends Recovery (LER) II**			
AX-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AX-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AX-082	HAP	Monitoring exemption.	5.AX.82.1	Subpart CC, 40 CFR 644(a)(3)
	H_2S	See alternative monitoring plan in Appendix H.		
AX-083	Flare Operation	See flare requirements in AW-000.		
AY-000	**Plant 42 Utilities, Pascagoula Residuum Conversion Project (PRCP)**			
AZ-000	**Plant 45 Shipping**			
AZ-000	Gasoline Loading/ VOC Calculations	Recordkeeping of monthly gasoline loading and VOC emission for 5 years after startup of the CCR Unit.	5.AZ.0.1	40 CFR 52.21(r)(6)(iii)
		Reporting requirements for a project emissions exceedance.	5.AZ.0.2	40 CFR 52.21(r)(6)(v)
		General recordkeeping requirements	5.AZ.0.3	40 CFR 52.21(r)(6)(v)
AZ-001	HAP (non-Benzene)	Terminal vapor collection system design report.	5.AZ.1.1	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(f)
		Vapor recovery system by-pass monitoring requirements.	5.AZ.1.2	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(a)(1)
		Vapor recovery system compatibility monitoring.	5.AZ.1.3	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(a)(2)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Vapor-tightness requirements of the marine vessel.	5.AZ.1.4	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(a)(4)
		Vapor-tightness records.	5.AZ.1.5	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(h)
		Annual vapor-tightness test documentation for marine tank vessels.	5.AZ.1.6	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(i)
		Baseline L/V ratio operating parameter requirements.	5.AZ.1.7	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(a)(8)(ii)
		L/V ratio monitoring and record keeping.	5.AZ.1.8	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.564(i)(2)
		Excess emissions and monitoring system performance reports.	5.AZ.1.9	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(e)(1)
		HAP emission estimates.	5.AZ.1.10	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(a)(10)
		Exempted commodities records.	5.AZ.1.11	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(j)(1)
		HAP emission estimate records.	5.AZ.1.12	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(j)(2)
		Annual HAP control efficiency report.	5.AZ.1.13	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(j)(3)
		HAP emission estimate records.	5.AZ.1.14	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(j)(4)
		Annual leak detection.	5.AZ.1.15	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(c)(1)
		On-going leak detection.	5.AZ.1.16	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(c)(2)
		Leak repair requirements.	5.AZ.1.17	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.563(c)(3)
		Leak detection and repair records.	5.AZ.1.18	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.567(k)
		Maintenance allowance monitoring and reporting requirements.	5.AZ.1.19	Subpart CC, 40 CFR 63.651(a); Subpart Y, 40 CFR 63.562(b)(6), (c)(6), & MDEQ letter, 10/29/1999 (See Appendix E)
	Benzene	Lean oil absorber monitoring plan.	5.AZ.1.20, 5.AZ.1.7, 5.AZ.1.8	Subpart BB, 40 CFR 61.303(e); Subpart Y, 40 CFR 63.563(b)(8)(ii), Subpart Y, 40 CFR 63.564(i)(2)
AZ-002	HAP (non-benzene)	See requirements for AZ-001.		
AZ-003, AZ-004, AZ-005, AZ-006	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.AZ.3.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.AZ.3.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.AZ.3.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.AZ.3.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.AZ.3.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.AZ.3.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.AZ.3.7	Subpart FF, 40 CFR 61.354(d)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Control device design records.	5.AZ.3.8, 5.AZ.3.9, 5.AZ.3.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.AZ.3.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.AZ.3.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.AZ.3.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.AZ.3.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.AZ.3.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.AZ.3.16	Subpart FF, 40 CFR 61.357(d)(8)
AZ-007	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
AZ-008	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
AZ-009	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003).		
AZ-010	HAP	See requirements for AZ-003.		
AZ-011	HAP (Benzene)	Annual external floating roof secondary seal inspection requirements.	5.AZ.11.1	Subpart G, 40 CFR 63.120(b)(1)(iii)
		5-year external floating roof primary seal inspection requirements.	5.AZ.11.2	Subpart G, 40 CFR 63.120(b)(1)(i)
		45-day external floating roof repair requirement.	5.AZ.11.3	Subpart G, 40 CFR 63.120(b)(8)
		30-day tank refilling notification.	5.AZ.11.4	Subpart G, 40 CFR 63.120(b)(10)(ii); Subpart G, 40 CFR 63.122(h)(1)(i)
		Tank repair prior to refilling requirements.	5.AZ.11.5	Subpart G, 40 CFR 63.120(b)(10)(i)
		Tank information recordkeeping.	5.AZ.11.6	Subpart G, 40 CFR 63.123(a)
		Tank inspection recordkeeping.	5.AZ.11.7	Subpart G, 40 CFR 63.123(c)
		Tank emptying-for-repair extension records.	5.AZ.11.8	Subpart G, 40 CFR 63.123(g)
		Semiannual periodic report.	5.AZ.11.9	Subpart G, 40 CFR 63.152(c) Subpart G, 40 CFR 63.122(d)
	HAP (Xylene)	Initial compliance demonstration (at next emptying or degassing, no later than 2/14/2014.	5.AZ.11.10	Subpart EEEE, 40 CFR 63.2358(c)(1)(i) & Table 4; Subpart WW, 40 CFR 63.1063(d)(1)
		Annual floating roof inspections.	5.AZ.11.11	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(c)(2)(ii), (d)(1),(3)
		10-year (or each emptying and degassing) floating roof inspections.	5.AZ.11.12	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(c)(2)(iii), (d)(1)
		Floating roof repair requirements.	5.AZ.11.13	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(e)
		Vessel dimensions and capacity records.	5.AZ.11.14	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(a)
		Floating roof inspection records.	5.AZ.11.15	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(b)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Floating roof landing records.	5.AZ.11.16	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(c)
		Floating roof repair extension records.	5.AZ.11.17	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(d)
		Semiannual reporting requirements.	5.AZ.11.18	Subpart EEEE, 40 CFR 63.2386 & Table 11
AZ-012	HAP	Initial compliance demonstration (at next emptying or degassing, no later than 2/14/2014.	5.AZ.12.1	Subpart EEEE, 40 CFR 63.2358(c)(1)(i) & Table 4; Subpart WW, 40 CFR 63.1063(d)(1)
		Annual floating roof inspections.	5.AZ.12.2	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(c)(1)(i)(A), (d)(2)
		10-year (or each emptying and degassing) floating roof inspections.	5.AZ.12.3	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(c)(1)(i)(B), (d)(1)
		Floating roof repair requirements.	5.AZ.12.4	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1063(e)
		Vessel dimensions and capacity records.	5.AZ.12.5	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(a)
		Floating roof inspection records.	5.AZ.12.6	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(b)
		Floating roof landing records.	5.AZ.12.7	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(c)
		Floating roof repair extension records.	5.AZ.12.8	Subpart EEEE, 40 CFR 63.2378(a) & Table 10; Subpart WW, 40 CFR 63.1065(d)
		Semiannual reporting requirements.	5.AZ.12.10	Subpart EEEE, 40 CFR 2386 & Table 11
AZ-014, AZ-015	Afterburner Operation	Daily temperature records.	5.AZ.14.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AZ-016, AZ-017, AZ-018, AZ-019	HAP	See requirements for AZ-003.		
AZ-020	Equipment Leaks	Quarterly leak detection monitoring	5.AZ.20.1	PSD PTC, 5/8/2007
		15-day leak detection repair procedures	5.AZ.20.2	PSD PTC, 5/8/2007
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., "leak less")	5.AZ.20.3	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
AZ-021	Equipment Leaks	Leak detect and repair compliance requirements.	5.AZ.21.1	Subpart EEEE, 40 CFR 63.2378(a) & Table 10

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
AZ-047	Caustic pH	Caustic utilization monitoring.	5.AZ.47.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
AZ-206, AZ-207	HAP	Group determination record.	5.AZ.206.1, 5.AZ.206.2	Subpart CC, 40 CFR 63.646(b)(1), Subpart CC, 40 CFR 63.654(i)(1)(iv)
AZ-208	HAP	5-year primary seal gap measurements.	5.AZ.208.1	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(i)
		Annual secondary seal gap measurements.	5.AZ.208.2	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iii)
		90-day seal gap measurements for refilling.	5.AZ.208.3	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(1)(iv)
		Seal gap measurement procedures.	5.AZ.208.4	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(2), Subpart G, 40 CFR 63.120(b)(3), Subpart G, 40 CFR 63.120(b)(4)
		Additional primary seal requirements.	5.AZ.208.5	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(5)
		Additional secondary seal requirements.	5.AZ.208.6	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(6)
		Unsafe roof provisions.	5.AZ.208.7	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(7)
		45-day failure repair requirements.	5.AZ.208.8	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(8)
		30-day notification for seal gap measurements.	5.AZ.208.9	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(9)
		Empty or degassed tank inspection requirements.	5.AZ.208.10	Subpart CC, 40 CFR 63.646(a); Subpart G, 40 CFR 63.120(b)(10)
		Tank dimension records.	5.AZ.208.11	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(a)
		Seal gap measurement records.	5.AZ.208.12	Subpart CC, 40 CFR 63.654(i)(1); Subpart G, 40 CFR 63.123(d)
		Semiannual periodic reports for seal gap failures.	5.AZ.208.13	Subpart CC, 40 CFR 63.654(g)(3)
		5-year recordkeeping requirement.	5.AZ.208.14	Subpart CC, 40 CFR 63.654(i)(4)
AZ-406, AZ-407, AZ-408, AZ-409	HAP	See requirements for AZ-208.		
AZ-412	HAP	See requirements for AZ-208.		
AZ-422	HAP	See requirements for AZ-208.		
AZ-423	VOC	60-day initial-fill gap measurements for primary and secondary seals.	5.AZ.423.1	Subpart K_a, 40 CFR 60.113a(a)(1)
		5-year primary seal gap measurements.		
		Annual secondary seal gap measurements.		
		Seal gap measurement notification.	5.AZ.423.2	Subpart K_a, 40 CFR 60.113a(a)(1)(iv)
		Seal gap measurement recordkeeping.	5.AZ.423.3	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(D)
		Seal gap measurement reporting.	5.AZ.423.4	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(E)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	HAP	5-year primary seal gap measurements.	5.AZ.423.5	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Annual secondary seal gap measurements.	5.AZ.423.6	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		60-day seal gap measurements for refilling.	5.AZ.423.7	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(iii)
		Seal gap measurement procedures.	5.AZ.423.8	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(2), Subpart K_b, 40 CFR 60.113b(b)(3)
		45-day repair requirements.	5.AZ.423.9	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(4)
		Empty or degassed tank inspection requirements.	5.AZ.423.10	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(6)
		60-day gap measurement reporting requirement.	5.AZ.423.11	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(2)
		Gap measurement recordkeeping requirement.	5.AZ.423.12	Subpart FF, 40 CFR 61.356(k); Subpart K_b, 40 CFR 60.115b(b)(3)
		30-day repairs report.	5.AZ.423.13	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(4)
BB-000	**Plant 53 Paraxylene (PX) Complex**			
BB-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BB-002	Equipment Leaks	CMPU recordkeeping and reporting requirements (See AC-003).		
BB-003	Maintenance Wastewater	Start-up, Shutdown, and Malfunction (SSM) Plan	5.BB.3.1	Subpart A, 40 CFR 63.6(e)(3)(v)
		Periodic and Immediate SSM reports.	5.BB.3.2	Subpart A, 40 CFR 63.10(d)(5)
BB-004, BB-005	HAP	CMPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BB-006	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BB-007	Heat Exchange System	CMPU recordkeeping and reporting requirements.	5.BB.7.1 5.BB.7.2	Subpart F, 40 CFR 63.104(f)
		Start-up, Shutdown, and Malfunction (SSM) Plan	See SSM requirements for BB-003.	
		Periodic and Immediate SSM reports		
BB-031, BB-032	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BB-033	HAP	CMPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
		Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.BB.33.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.BB.33.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.BB.33.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.BB.33.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.BB.33.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.BB.33.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.BB.33.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.BB.33.8, 5.BB.33.9, 5.BB.33.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.BB.33.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.BB.33.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.BB.33.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.BB.33.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.BB.33.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.BB.33.16	Subpart FF, 40 CFR 61.357(d)(8)
BB-035	HAP	See requirements for BB-033.		
BB-070	VOC/HAP	Tank dimension records.	5.BB.70.1	Subpart G, 40 CFR 63.123(a)
BB-071, BB-072, BB-073, BB-074, BB-075, BB-076, BB-077	VOC/HAP	See requirements for BB-070.		
BB-128	PM	Monthly fuel records.	5.BB.128.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2			
BB-163	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BB.163.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BB.163.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BB.163.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BB.163.5	PSD PTC, 5/8/2007

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
		Hourly and monthly fuel amount records.	5.BB.163.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BB-165	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BB.165.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BB.165.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	NO_x	See requirements for BB-163.		
	CO			
	SO_2			
	Fuel			
	PM/ PM_{10}			
	CO, NO_x			
BB-170	VOC	Monthly bypass seal or closure visual inspection.	5.BB.170.1	Subpart RRR, 40 CFR 60.703(c)(1)(ii) (Per EPA letter on 2/19/2003, See Appendix C)
		Monthly bypass seal or closure inspection records.	5.BB.170.2	Subpart RRR, 40 CFR 60.705(d)(2) (Per EPA letter on 2/19/2003, See Appendix C)
		Semiannual bypass seal or closure inspection report.	5.BB.170.3	Subpart RRR, 40 CFR 60.705(l)(2), (7) (Per EPA letter on 2/19/2003, See Appendix C)
BB-174	Fuel H_2S	See requirements for BB-165.		
	NO_x	See requirements for BB-163.		
	CO			
	SO_2			
	Fuel			
	PM/ PM_{10}			
	O_2			
BB-191, BB-192, BB-193, BB-194, BB-195	Fuel H_2S	See requirements for BB-163.		
	NO_x			
	CO			
	SO_2			
	Fuel			
	PM/ PM_{10}			
	O_2			
BD-000	**Plant 59 H_2S I**			
BD-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BD-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BD-005	Flare Operation	See flare requirements in AW-000.		
BE-000	**Plant 61 Crude II**			
BE-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BE-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BE-003	VOC	Quarterly leak detection monitoring	5.BE.3.1	PTC, 4/20/2010
		15-day leak detection repair procedures	5.BE.3.2	PTC, 4/20/2010
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., "leak less")	5.BE.3.3	PTC, 4/20/2010
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
BE-013	Flare Operation	See flare requirements in AW-000.		
BE-201, BE-203	HAP	Control exemption records.	5.BE.201.1	Subpart EEEE, 40 CFR 63.2343(a)
BE-211	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BE.211.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BE.211.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
		For F-6101 when burning Merox Regenerator Gas, see alternative monitoring plan in Appendix H.		
	CO	CO and O_2 CEMS in accordance with 40 CFR 60.13.	5.BE.211.3	PTC, 4/20/2010
		All CEMS data records.	5.BE.211.4	PTC, 4/20/2010
		Hourly records of the rolling 3-hour average CO emission rate (lb/hr) determined by the CEMS.		
		Monthly total CO emissions (TPY and ppmvd corrected to 3% O_2) records determined on a 12-month rolling total.		
	NO_x	NO_x CEMS in accordance with 40 CFR 60.13.	5.BE.211.5	PTC, 4/20/2010
		All CEMS data records.	5.BE.211.6	PTC, 4/20/2010
		Hourly records of the rolling 3-hour average NO_x emission rate (lb/hr) determined by the CEMS.		
		Monthly total NO_x emissions (TPY and lb/MMBTU) records determined on a 12-month rolling total.		
	SO_2	Hourly and monthly recordkeeping requirement.	5.BE.211.7	PTC, 4/20/2010
	Fuel	Weekly fuel sampling for total sulfur.	5.BE.211.9	PTC, 4/20/2010
		Hourly and monthly fuel amount records.	5.BE.211.10	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
BF-000	**Plant 62 Isomax (ISO) II**			
BF-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BF-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BF-017	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BF-221, BF-222	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BF.221.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BF.221.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	SO_2	Hourly and monthly recordkeeping requirement.	5.BF.221.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BF.221.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BF.221.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
BF-223	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BF.223.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BF.223.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	NO_x continuous monitoring system in accordance with 40 CFR 60.13.	5.BF.223.3	PTC, 9/4/2008 (Consent Decree)
		Daily average NO_x emissions (lb/MMBTU) and the rolling 365-day average NO_x emissions (lb/MMBTU) records.	5.BF.223.4	
	Heat Input	Daily average heat input monitoring requirement.	5.BF.223.5	
	SO_2	See requirements for BF-221.		
	Fuel			
	Opacity	Daily visible observations; EPA Reference Method 22, 40 CFR Part 60, Appendix A.	5.BF.223.6	PSD PTC, 6/12/2001
		Biennial visible emission evaluations; EPA Reference Method 9, 40 CFR Part 60, Appendix A.	5.BF.223.7	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BF-224	Fuel H_2S	See requirements for BF-221.		
	SO_2			
	Fuel			
BG-000	**Plant 63 Reformate Distillation Unit (RDU) II**			
BG-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BG-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BH-000	**Plant 64 Hydrogen II**			
BH-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BH-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BH-035	HAP	Alternative monitoring plan (See Appendix G).	5.BH.35.1	Subpart CC, 40 CFR 63.644(b)
BH-231	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BH.231.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BH.231.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 25, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BH.231.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BH.231.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BH.231.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC, NO_x	Continuous monitoring system.	5.B.2.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.		
BH-232	NO_x	Exemption from daily monitoring of the fuel nitrogen content.	5.BH.232.1	Subpart GG, 40 CFR 60.334(h)(2)
		Biennial stack test using EPA Reference Method 20, 40 CFR Part 60, Appendix A.	5.B.1.1; 5.B.1.2	PTC, November 18, 1991; 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	SO_2	Fuel sulfur content monitoring exemption.	5.BH.232.2	Subpart GG, 40 CFR 60.334(h)(3)
	CO	Biennial stack test using EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1; 5.B.1.2	PTC, November 18, 1991; 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BI-000	**Plant 65 Naphtha Hydrotreater (NHT) II**			
BI-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BI-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BI-036	Flare Operation	See flare requirements in AW-000.		
BI-245	Fuel H_2S			
		H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BI.245.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BI.245.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	SO_2	Hourly and monthly recordkeeping requirement.	5.BI.245.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Hourly and monthly recordkeeping requirement.	5.BI.245.4	
	Fuel	Weekly fuel sampling for total sulfur.	5.BI.245.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BI.245.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 25, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BI-246	Fuel H_2S	See requirements for BI-245.		
	SO_2			
	Fuel			
BJ-000	**Plant 66 Gas Recovery Unit (GRU)**			
BJ-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BJ-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BJ-048	Flare Operation	See flare requirements in AW-000.		
BK-000	**Plant 67 Low Sulfur Diesel (LSD) Hydrofiner**			
BK-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BK-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BK-076	HAP	Control exemption records.	5.BK.76.1	Subpart EEEE, 40 CFR 63.2343(a)
BK-086	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BK-261	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BK.261.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BK.261.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	SO_2	Hourly and monthly recordkeeping requirement.	5.BK.261.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BK.261.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BK.261.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
BL-000	**Plant 68 Treaters II**			
BL-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BL-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BL-053, BL-054, BL-055, BL-056, BL-057	Vent Identification	Group 2 recordkeeping requirement.	5.BL.53.1	Subpart CC, 40 CFR 63.654(i)(4)
BL-059	Flare Operation	See flare requirements in AW-000.		
BN-000	**Plant 70 Light Straight Run (LSR) Splitter**			
BN-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BN-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BN-076	Flare Operation	See flare requirements in AW-000.		
BO-000	**Plant 71 Dehexanizer**			
BO-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BO-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BO-079	Flare Operation	See flare requirements in AW-000.		
BP-000	**Plant 81 Residuum Desulphurization (RDS)**			
BP-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BP-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BP-056	Flare Operation	See flare requirements in AW-000.		
BP-077	HAP	Control exemption records.	5.BP.77.1	Subpart EEEE, 40 CFR 63.2343(a)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BP-511, BP-512, BP-513	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BP.511.1	Subpart J, 40 CFR 60.105(a)(4)); PTC, 12/9/2005 (Consent Decree)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BP.511.2	Subpart J, 40 CFR 60.105(e)(3)(ii); PTC, 12/9/2005 (Consent Decree)
	SO_2	Hourly and monthly recordkeeping requirement.	5.BP.511.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BP.511.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BP.511.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	NO_x	Biennial stack testing; EPA Reference Method 7.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	PM	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	O_2 continuous monitoring system.	5.B.2.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.		
BQ-000	**Plant 83 Coker**			
BQ-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BQ-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BQ-067	Flare Operation	See flare requirements in AW-000.		
BQ-078	VOC	60-day initial-fill gap measurements for primary and secondary seals.	5.BQ.78.1	Subpart K_a, 40 CFR 60.113a(a)(1)
		5-year primary seal gap measurements.		
		Annual secondary seal gap measurements.		
		Seal gap measurement notification.	5.BQ.78.2	Subpart K_a, 40 CFR 60.113a(a)(1)(iv)
		Seal gap measurement recordkeeping.	5.BQ.78.3	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(D)
		Seal gap measurement reporting.	5.BQ.78.4	Subpart K_a, 40 CFR 60.113a(a)(1)(i)(E)
	HAP	Group determination record.	5.BQ.78.5, 5.BQ.78.6	Subpart CC, 40 CFR 63.646(b)(1), Subpart CC, 40 CFR 63.654(i)(1)(iv)
BQ-521, BQ-522, BQ-523	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BQ.521.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BQ.521.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	VOC	Biennial stack testing; EPA Reference Method 25.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BQ.521.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BQ.521.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BQ.521.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC,	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	NO_x	Semiannual deviations report.	5.B.2.3	
BR-000	**Plant 84 Vacuum Distillation Unit (VDU)**			
BR-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BR-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BR-080	Flare Operation	See flare requirements in AW-000.		
BR-531	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BR.531.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BR.531.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 25, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BR.531.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BR.531.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BR.531.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC,	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	NO_x	Semiannual deviations report.	5.B.2.3	

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BS-000	**Plant 85 Coker Hydrodenitrifier (HDN)**			
BS-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BS-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BS-083	Flare Operation	See flare requirements in AW-000.		
BS-501	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BS.501.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BS.501.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	VOC	Biennial stack testing; EPA Reference Method 25, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BS.501.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.BS.501.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BS.501.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, VOC, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BS-502	Fuel H_2S	See requirements for BS-501.		
	NO_x			
	SO_2			
	Fuel			
	PM			
	CO, VOC, NO_x			
BT-000	**Plant 86 Hydrogen III**			
BT-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BT-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BT-088	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BT-541	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BT.541.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BT.541.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	SO_2	Hourly and monthly recordkeeping requirement.	5.BT.541.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		For KGT-8650 Fuel sulfur content monitoring exemption.	5.BT.541.7	Subpart GG, 40 CFR 60.334(h)(3)
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	Fuel	Weekly fuel sampling for total sulfur.	5.BT.541.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.BT.541.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Operational Restriction	**For KGT-8650** Exhaust Vent Monitoring Plan. (See Appendix F)	5.BT.541.8	PSD PTC, 6/12/2001
	CO, VOC, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BT-542	Fuel H_2S	See requirements in BT-541.		
	SO_2			
	Fuel			
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	PM/ PM_{10}	Biennial stack testing; EPA Reference Methods 1-5, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO, NO_x	Continuous monitoring system.	5.B.2.2,	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Semiannual deviations report.	5.B.2.3	
BT-544	Vent Identification	Group 2 recordkeeping requirement.	5.BT.544.1	Subpart CC, 40 CFR 63.654(i)(4)
BU-000	**Plant 87 Alkylation II**			

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BU-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BU-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BU-060	VOC	Monthly bypass seal or closure visual inspection.	5.BU.60.1	Subpart RRR, 40 CFR 60.703(c)(1)(ii) (Per EPA letter on 2/19/2003, See Appendix C)
		Monthly bypass seal or closure inspection records.	5.BU.60.2	Subpart RRR, 40 CFR 60.705(d)(2) (Per EPA letter on 2/19/2003, See Appendix C)
		Semiannual inspection report.	5.BU.60.3	Subpart RRR, 40 CFR 60.705(l)(2), (7) (Per EPA letter on 2/19/2003, See Appendix C)
		Continuous flow monitor records.	5.BU.604	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(d)
		Semiannual flow diversion reports.	5.BU.60.5	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(l)(2)
BU-099	Flare Operation	See flare requirements in AW-000.		
BV-000	**Plant 89 Fire Training**			
BV-001	Fuel	Fuel usage records.	5.BV.1.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
BW-000	**Plant 90 Sulfur Recovery Unit (SRU) IV**			
BW-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BW-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BW-014	Reduced Sulfur Compounds	Continuous monitoring system in accordance with 40 CFR 60.13.	5.BW.14.1	Subpart J, 40 CFR 60.105(a)(7); Subpart UUU, 40 CFR 63.1568(b)(1) & Table 31
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.BW.14.2	Subpart J, 40 CFR 60.105(e)(4)(iii)
			5.BW.14.3	Subpart UUU, 40 CFR 63.1568(c)(1) & Table 34
BW-018, BW-019	Caustic Utilization (SO_2)	Caustic utilization monitoring.	5.BW.18.1	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
BW-551	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BW.551.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BW.551.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
BX-000	**Plant 91 Sulfur Recovery Unit (SRU) V**			
BX-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BX-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BX-020	Reduced Sulfur Compounds	Continuous monitoring system in accordance with 40 CFR 60.13.	5.BX.20.1	Subpart J, 40 CFR 60.105(a)(7); Subpart UUU, 40 CFR 63.1568(b)(1) & Table 31
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.BX.20.2	Subpart J, 40 CFR 60.105(e)(4)(iii)
			5.BX.20.3	Subpart UUU, 40 CFR 63.1568(c)(1) & Table 34

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
BX-552	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BX.552.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BX.552.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
BY-000	**Plant 92 Sulfur Recovery Unit VI**			
BY-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BY-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
BY-025	Reduced Sulfur Compounds	Continuous monitoring system in accordance with 40 CFR 60.13.	5.BY.25.1	Subpart J, 40 CFR 60.105(a)(7); Subpart UUU, 40 CFR 63.1568(b)(1) & Table 31
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c).	5.BY.25.2	Subpart J, 40 CFR 60.105(e)(4)(iii)
			5.BY.25.3	Subpart UUU, 40 CFR 63.1568(c)(1) & Table 34
BY-553	Fuel H_2S	H_2S continuous monitoring system in accordance with 40 CFR 60.13.	5.BY.553.1	Subpart J, 40 CFR 60.105(a)(4)
		Semiannual excess emissions reports in accordance with 40 CFR 60.7(c) and 60.107(e) and (f).	5.BY.553.2	Subpart J, 40 CFR 60.105(e)(3)(ii)
BZ-000	**Plant 94 Amine Regeneration**			
BZ-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
BZ-014	Flare Operation	See flare requirements in AW-000.		
BZ-015, BZ-016, BZ-017	Vent Identification	Group 2-recordkeeping requirement.	5.BZ.15.1	Subpart CC, 40 CFR 63.654(i)(4)
BZ-031	Flare Operation	See requirements for BZ-014.		
CC-000	**Plant 95 Wastewater Treater**			
CC-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
CC-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CC-032	Flare Operation	See flare requirements in AW-381 and AW-382.		
	Ammonia	Continuous flow monitor.	5.CC.32.1	PSD PTC, 6/12/2001
		Ammonia flaring records.	5.CC.32.2	
		Semiannual report of ammonia flaring information.	5.CC.32.3	
CC-033	Flare Operation	See flare requirements in AW-000.		
CC-102	H_2S	Develop and implement monitoring plan	5.CC.102.1	PTC 1/8/2008 modified 11/13/2012

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
CC-197	HAP	PRPU wastewater recordkeeping and reporting requirements (See AC-002).		
		5-year primary seal gap measurements.	5.CC.197.1	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(i)
		Annual secondary seal gap measurements.	5.CC.197.2	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(ii)
		60-day seal gap measurements for refilling.	5.CC.197.3	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(1)(iii)
		Seal gap measurement procedures.	5.CC.197.4	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(2), Subpart K_b, 40 CFR 60.113b(b)(3)
		45-day repair requirements.	5.CC.197.5	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(4)
		Empty or degassed tank inspection requirements.	5.CC.197.6	Subpart FF, 40 CFR 61.351(a)(2); Subpart K_b, 40 CFR 60.113b(b)(6)
		60-day gap measurement reporting requirement.	5.CC.197.7	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(2)
		Gap measurement recordkeeping requirement.	5.CC.197.8	Subpart FF, 40 CFR 61.356(k); Subpart K_b, 40 CFR 60.115b(b)(3)
		30-day repairs report.	5.CC.197.9	Subpart FF, 40 CFR 61.357(f); Subpart K_b, 40 CFR 60.115b(b)(4)
CD-000	**Plant 112 Solid Waste Treatment Units**			
CD-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
CD-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CD-084	Benzene	Annual container non-detect emissions sampling using methods in §61.355(h)	5.CD.84.1	Subpart FF, 40 CFR 61.345(a)(1)(i)
		Quarterly visual inspection.	5.CD.84.2	Subpart FF, 40 CFR 61.345(b)
		15-day repair requirement.	5.CD.84.3	Subpart FF, 40 CFR 61.345(c)
		Visual inspection records.	5.CD.84.4	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.CD.84.5	Subpart FF, 40 CFR 61.356(h)
		Quarterly inspection certification.	5.CD.84.6	Subpart FF, 40 CFR 61.357(d)(6)
		Annual inspection report.	5.CD.84.7	Subpart FF, 40 CFR 61.357(d)(8)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
CD-112	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
	Benzene	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.CD.112.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.CD.112.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.CD.112.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.CD.112.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.CD.112.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.CD.112.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.CD.112.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.CD.112.8, 5.CD.112.9, 5.CD.112.10	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(2)(i)(G)
		Visual inspection records.	5.CD.112.11	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.CD.112.12	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.CD.112.13	Subpart FF, 40 CFR 61.356(j)(1),(2),(3), (10)
		Quarterly inspection certification report.	5.CD.112.14	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.CD.112.15	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.CD.112.16	Subpart FF, 40 CFR 61.357(d)(8)
CE-000	**Plant 122 Iso Octene**			
CE-001	Equipment Leaks	PRPU recordkeeping and reporting requirements (See AC-003).		
CE-002	HAP	PRPU & Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CE-021	VOC	No monitoring since vent is introduced with the primary fuel (See Appendix C). **(When routing to the fuel gas system)**		
		Continuous flow-monitor records.	5.CE.21.1	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(d)
		Semiannual flow diversion reports.	5.CE.21.2	**(When routing to the flare)** Subpart NNN, 40 CFR 60.665(l)(2)
CE-093	Flare Operation	See flare requirements in AW-000.		

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
CF-000	**Plant 208 Main Lab**			
CF-001	HAP	Annual fixed-roof non-detect emissions sampling using methods in §61.355(h)	5.CF.1.1	Subpart FF, 40 CFR 61.343(a)(1)(i)(A)
		Quarterly fixed-roof visual inspection.	5.CF.1.2	Subpart FF, 40 CFR 61.343(c)
		45-day fixed-roof repair requirement.	5.CF.1.3	Subpart FF, 40 CFR 61.343(d)
		Annual closed-vent system non-detect emissions sampling using methods in §61.355(h)	5.CF.1.4	Subpart FF, 40 CFR 61.349(a)(1)(i)
		Quarterly closed-vent system and control device visual inspection.	5.CF.1.5	Subpart FF, 40 CFR 61.349(f)
		5-day closed-vent and control device repair requirement.	5.CF.1.6	Subpart FF, 40 CFR 61.349(g)
		Control device monitoring requirement.	5.CF.1.7	Subpart FF, 40 CFR 61.354(d)
		Control device design records.	5.CF.1.8	Subpart FF, 40 CFR 61.356(d); Subpart FF, 40 CFR 61.356(f)(1); Subpart FF, 40 CFR 61.356(f)(3)
		Visual inspection records.	5.CF.1.9	Subpart FF, 40 CFR 61.356(g)
		Non-detect emissions sampling records.	5.CF.1.10	Subpart FF, 40 CFR 61.356(h)
		Control device operation records.	5.CF.1.11, 5.CF.1.12	Subpart FF, 40 CFR 61.356(j)(1), (2), (3), (10)
		Quarterly inspection certification report.	5.CF.1.13	Subpart FF, 40 CFR 61.357(d)(6)
		Quarterly control device operation report.	5.CF.1.14	Subpart FF, 40 CFR 61.357(d)(7)(iv)(I)
		Annual detectable emissions and repairs report.	5.CF.1.15	Subpart FF, 40 CFR 61.357(d)(8)
CG-000	**Plant 5171 Pascagoula Marketing Terminal (PMT)**			
CG-001	HAP	Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CG-002	HAP	Continuous monitoring system.	5.CG.2.1	Subpart R, 40 CFR 63.427(a)(1)
		Continuous monitoring data records.	5.CG.2.2	Subpart R, 40 CFR 63.428(c)(1)
		Monthly leak inspection.	5.CG.2.3	Subpart R, 40 CFR 63.424(a)
		Inspection log requirements.	5.CG.2.4	Subpart R, 40 CFR 63.424(b)
		Leak detection records and initial repair requirements.	5.CG.2.5	Subpart R, 40 CFR 63.424(c)
		Delay of repair requirements.	5.CG.2.6	Subpart R, 40 CFR 63.424(d)
		Leak detection record information.	5.CG.2.7	Subpart R, 40 CFR 63.428(e)
		Cargo tank test results records.	5.CG.2.8	Subpart R, 40 CFR 63.428(b)
		Semiannual reporting requirements.	5.CG.2.9	Subpart R, 40 CFR 63.428(g)
		Semiannual excess emissions reports.	5.CG.2.10	Subpart R, 40 CFR 63.428(h)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	VOC	Non-vapor-tight truck notification.	5.CG.2.11	Subpart XX, 40 CFR 60.502(e)(4)
		Monthly vapor collection system, vapor processing system, loading rack inspection; Leak detection records; 15-day repair requirement.	5.CG.2.12	Subpart XX, 40 CFR 60.502(j)
		Annual tank truck vapor tightness documentation update.	5.CG.2.13	Subpart XX, 40 CFR 60.505(a), (b)
		Monthly leak inspection records.	5.CG.2.14	Subpart XX, 40 CFR 60.505(c); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).
		Non-vapor-tight truck notification records.	5.CG.2.15	Subpart XX, 40 CFR 60.505(d); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).
		Component change records.	5.CG.2.16	Subpart XX, 40 CFR 60.505(f); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).
	Product throughput	Daily and annual product throughput records.	5.CG.2.17	[PTC, 4/22/1999 **(Until receipt of certification of construction)**] [PSD PTC, 5/8/2007 **(Beginning upon receipt of certification of construction)**]
CG-003	VOC	Quarterly leak detection monitoring	5.CG.3.1	PSD PTC, 5/8/2007
		15-day leak detection repair procedures	5.CG.3.2	PSD PTC, 5/8/2007
		Compliance test per §60.485a(c) for any equipment designated for no detectable emissions (i.e., "leak less")	5.CG.3.3	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
CG-032, CG-033, CG-034, CG-037	HAP	Control exemption records and reporting requirements.	5.CG.33.1	Subpart EEEE, 40 CFR 63.2343(b)
CG-038	HAP	Control exemption records.	5.CG.38.1	Subpart EEEE, 40 CFR 63.2343(a)
CH-000	**Plant 79 Continuous Catalytic Reforming (CCR) Unit**			
Beginning upon receipt of certification of construction.				
CH-001	Equipment Leaks	Subpart GGGa recordkeeping and reporting requirements (See AC-003).		
		Annual/Biennial/4-year connector monitoring.	5.CH.1.1	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
CH-002	Benzene	Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CH-003	HAP	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A. (PRPU Group 1 wastewater) (See AC-002 for requirements).		
	VOC	NSPS for VOC Emissions from Petroleum Refinery Wastewater – 40 CFR Part 60, Subpart QQQ, and General Provisions, Subpart A (Comply with the requirements of MACT CC per §63.640(o)(1)).		
	Fuel H_2S and NO_x	Within 60 days of maximum production or 180 days of startup, initial performance test in accordance with §60.8.	5.CH.3.1	Subpart Ja, 40 CFR 60.104a(a), (i), and (j)
		Definition of excess emissions.	5.CH.3.2	Subpart Ja, 40 CFR 60.107a(i)
		Excess emissions reports.	5.CH.3.11	Subpart Ja, 40 CFR 60.108a(d)
	Fuel H_2S	Continuous H_2S monitor.	5.CH.3.12	Subpart Ja, 40 CFR 60.107a(a)(2)
	NO_x	Continuous NO_x and O_2 monitors.*	5.CH.3.15	Subpart Ja, 40 CFR 60.107a(c)

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	SO_2	Records of discharges > 500 lb of the short-term SO_2 emission limit listed in §60.102a(g)(1) for any 24-hour period.	5.CH.3.16	Subpart Ja, 40 CFR 60.108a(c)(6)
	SO_2	Hourly and monthly recordkeeping requirement.	5.CH.3.3	PSD PTC, 5/8/2007
	Fuel	Weekly fuel sampling for total sulfur.	5.CH.3.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.CH.3.6	
	NO_x			PSD PTC, 5/8/2007
		All CEMS data records.	5.CH.3.8	
		Hourly records of the rolling 3-hour average NO_x emission rate (lb/hr) determined by the CEMS.		
		Monthly total NO_x emissions (TPY and lb/MMBTU) records determined on a 12-month rolling total.		
	CO	CO and O_2 CEMS in accordance with 40 CFR 60.13.	5.CH.3.9	PSD PTC, 5/8/2007
		All CEMS data records.	5.CH.3.10	
		Hourly records of the rolling 3-hour average CO emission rate (lb/hr) determined by the CEMS.		
		Monthly total CO emissions (TPY and ppmvd corrected to 3% O_2) records determined on a 12-month rolling total.		
CH-004	Inorganic HAP (HCl)	Continuous temperature monitor.	5.CH.4.1	Subpart UUU, 40 CFR 63.1567(b)(1) and Table 24 and 63.1572(c)
		Performance tests.	5.CH.4.2	Subpart UUU, 40 CFR 63.1567(b)(2)
		Establish site-specific operating limits for temperature and chloride levels of the sorbent entering and leaving the system.	5.CH.4.3	Subpart UUU, 40 CFR 63.1567(b)(3) and Table 25
		Data monitoring and collection requirements.	5.CH.4.4	Subpart UUU, 40 CFR 63.1572(d)
		Operation, maintenance, and monitoring (OM&M) plan requirements.	5.CH.4.5	Subpart UUU, 40 CFR 63.1567(c)(5)-(6) and 63.1574(f)(1)
		Continuous compliance demonstration for temperature and chloride concentrations.	5.CH.4.6	Subpart UUU, 40 CFR 63.1567(d)(1) and Table 28
		Maintain documentation demonstrating compliance with OM&M plan.	5.CH.4.7	Subpart UUU, 40 CFR 63.1567(d)(2)
		Semiannual compliance reports.	5.CH.4.8	Subpart UUU, 40 CFR 63.1575(b)(5), (c), (d), and (f)(1)
		Recordkeeping requirements.	5.CH.4.9	Subpart UUU, 40 CFR 63.1576(a), (d), and (e)
	NO_x	Biennial stack testing; EPA Reference Method 7, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	
	CO	Biennial stack testing; EPA Reference Method 10, 40 CFR Part 60, Appendix A.	5.B.1.1, 5.B.1.2	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
		Daily and monthly recordkeeping requirement.	5.B.1.3	

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
	Residual Contaminants (Dioxins)	Monitoring plan (See Appendix K for Residual Contaminant Removal Monitoring Plan).		PSD PTC, 5/8/2007
CH-901	HAP	Control exemption records.	5.CH.901.1	Subpart EEEE, 40 CFR 63.2343(a)
CI-000	**Plant 80 Reformate Splitter Unit**			
Beginning upon receipt of certification of construction.				
CI-001	Equipment Leaks	Subpart GGGa recordkeeping and reporting requirements (See AC-003).		
		Annual/Biennial/4-year connector monitoring.	5.CI.1.1	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		
CI-002	Benzene	Benzene wastewater recordkeeping and reporting requirements (See AC-002).		
CI-003	HAP	NESHAP from Petroleum Refineries – 40 CFR Part 63, Subpart CC, and General Provisions, Subpart A. (PRPU Group 1 wastewater) (See AC-002 for requirements).		
	VOC	NSPS for VOC Emissions from Petroleum Refinery Wastewater – 40 CFR Part 60, Subpart QQQ, and General Provisions, Subpart A ((Comply with the requirements of MACT CC per §63.640(o)(1)).		
	Fuel H_2S and NO_x	Within 60 days of maximum production or 180 days of startup, initial performance test in accordance with §60.8.	5.CI.3.1	Subpart Ja, 40 CFR 60.104a(a), (i), and (j)
		Definition of excess emissions.	5.CI.3.2	Subpart Ja, 40 CFR 60.107a(i)
		Excess emissions reports.	5.CI.3.11	Subpart Ja, 40 CFR 60.108a(d)
	Fuel H_2S	Continuous H_2S monitor.	5.CI.3.12	Subpart Ja, 40 CFR 60.107a(a)(2)
	NO_x	Continuous NO_x and O_2 monitors.	5.CI.3.15	Subpart Ja, 40 CFR 60.107a(c)
	SO_2	Records of discharges > 500 lb of the short-term SO_2 emission limit limit listed in §60.102a(g)(1) for any 24-hour period.	5.CI.3.16	Subpart Ja, 40 CFR 60.108a(c)(6)
	SO_2	Hourly and monthly recordkeeping requirement.	5.CI.3.3	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	Fuel	Weekly fuel sampling for total sulfur.	5.CI.3.5	PSD PTC, 5/8/2007
		Hourly and monthly fuel amount records.	5.CI.3.6	11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).
	NO_x			PSD PTC, 5/8/2007
		All CEMS data records.	5.CI.3.8	
		Hourly records of the rolling 3-hour average NO_x emission rate (lb/hr) determined by the CEMS.		
		Monthly total NO_x emissions (TPY and lb/MMBTU) records determined on a 12-month rolling total.		
	CO	CO and O_2 CEMS in accordance with 40 CFR 60.13.	5.CI.3.9	PSD PTC, 5/8/2007
		All CEMS data records.	5.CI.3.10	
		Hourly records of the rolling 3-hour average CO emission rate (lb/hr) determined by the CEMS.		
		Monthly total CO emissions (TPY and ppmvd corrected to 3% O_2) records determined on a 12-month rolling total.		
CJ-000	**Plant 23 Pressure Swing Adsorber (PSA) Unit**			

Emission Point(s)	Pollutant/ Parameter Monitored	Monitoring/Recordkeeping/Reporting Requirements; Test Methods and Procedures	Condition Number	Applicable Requirement
CJ-001	Equipment Leaks	Subpart GGGa recordkeeping and reporting requirements (See AC-003).		
		Annual/Biennial/4-year connector monitoring.	5.CJ.1.1	PSD PTC, 5/8/2007
		Other recordkeeping and reporting requirements. See AC-003, Condition 5.AC.3.3.		

General Monitoring, Recordkeeping, & Reporting Requirements

5.B.1. General Stack Testing Requirements

1. The permittee shall demonstrate compliance with emission limitations identified in Section 3 of this permit by stack testing in accordance with the frequency and methods identified in Table 5.B. Unless otherwise specified herein, biennial stack testing shall begin within 24 months of the issuance of this permit. A stack test report containing the results of the test shall be submitted within 60 days of completion of the required test.

   Unless otherwise specified by the applicable standard, stack testing shall be done with the emission unit(s) operating at or near maximum capacity. Testing for multiple emission units with common stack(s) shall be done such that it is representative of the way in which the units are limited.

   For all required testing, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the DEQ. Also, the permittee shall notify the DEQ in writing at least ten (10) days prior to the intended test date(s) so that an observer may be afforded the opportunity to witness the test.

   After the first successful submittal of an initial written test protocol, the permittee may request that the submittal of a testing protocol be waived for subsequent testing. This may be done by certifying, in writing at least thirty (30) days prior to subsequent testing, that all conditions for testing remain unchanged and the original protocol will be followed. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

2. The permittee may petition the MDEQ for a waiver from additional stack testing for each pollutant where the compliance demonstration results in an emission rate less than 50 percent of the short term (lb/hr) limit. Upon approval, the waiver shall remain in effect for the remainder of the permit term. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

3. Each calendar day, the permittee shall calculate and record the total emissions for each referenced pollutant on a 24-hour basis. The calculations shall be based on the results of the most recent stack test, an EPA approved emission factor, or direct monitoring. Each month the permittee shall also record the annual total emissions on a 12-month rolling basis for each referenced pollutant. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.B.2. General Monitoring, Recordkeeping, & Reporting Requirements

1. The permittee shall maintain on-site records of all required monitoring data and support information required by this permit. The records shall be maintained in accordance with Condition 5.A.3 and shall be made available for review upon request from MDEQ personnel. This condition does not apply to data associated

with deviations and the deviation reports required under Condition 5.A.4 or 5.A.5. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

2. The permittee shall install, operate, and maintain a continuous oxygen (O_2) monitor to indicate compliance with NO_x, CO, and VOC emissions, where applicable. Within 60 days following the initial required performance test, per the schedule in Condition 5.B.1.1, the permittee shall submit a proposed O_2 monitoring plan (Ref.: Appendix L). Each plan shall establish an O_2 baseline or range based on engineering studies, performance tests, or other relevant data used to demonstrate compliance with the applicable permit limits. The monitoring plan shall specify what constitutes a deviation. A deviation shall be defined as any time period, in accordance with the permit limit, that the average O_2 reading exceeds the established baseline or range for any unit operating at greater than 50% of its design fired duty. The permittee shall report deviations from the baseline or range in a semiannual report. The report shall contain the date, time, and duration of each occurrence and the percent of the total operating time for the semiannual period that the monitor recorded deviations. In addition to the information required to be reported, the permittee shall maintain on-site records of the actual fired duty and the O_2 readings (as percent O_2) in accordance with Condition 5.A.3. In lieu of the O_2 monitor, the permittee may utilize the monitoring provided in Condition 5.B.2.3 for CO and/or VOC. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

3. The permittee shall install, operate, and maintain, prior to the first required performance test, an instrument for continuous measurement of the concentration by volume of CO emissions. These instruments will be used to indicate compliance with the permit limits for CO and/or VOC. The permittee shall validate the suitability of the instrument's location and accuracy to represent the source's CO emissions during the initial performance test. Upon successful completion of the performance test the permittee shall commence using the instrument to demonstrate compliance with the relevant permit limit(s). The permittee shall develop a quality assurance plan to be maintained on-site. The quality assurance procedures for these instruments shall be performed in accordance with the manufacturer's recommendations. A deviation from CO shall be defined as any time period, in accordance with the permit limit, that the CO concentration exceeds the maximum concentration indicative of compliance with the CO limit as established during the initial performance test and any subsequent performace test thereafter. A deviation from the CO permit limit shall also indicate a deviation from the VOC permit limit for sources with limits on both CO and VOC. In accordance with Condition 5.A.3, the permittee shall maintain on-site records of the CO measurements averaged over the appropriate time period and the documentation demonstrating the maximum CO concentration indicative of compliance with the CO and/or VOC limits. The permittee shall report as deviations of CO and/or VOC any time periods, as defined by the permit limit, where the monitor indicates excess emissions. The deviation report shall be submitted semiannually. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

Emission Point Specific Monitoring, Recordkeeping, & Reporting Requirements

5.AC. AC-000, General Plant Emission Points

5.AC.2. Emission Point AC-002

1. The permittee subject to the wastewater provisions in §63.647 of Subpart CC shall comply with the recordkeeping and reporting provisions in §§61.356 and 61.357 of Subpart FF. **(Ref.: 40 CFR 63.654(a))**

2. The permittee shall maintain records and submit reports as required under §§63.146 and 63.147, where applicable. **(Ref.: 40 CFR 63.146 & 63.147)**

3. The permittee shall determine the total annual benzene quantity from the facility using the procedures in §61.355. **(Ref.: 40 CFR 61.355(a))**

4. The permittee shall maintain records that contain the identity of each waste stream and whether or not the waste stream is controlled for benzene emissions as required by this subpart. The permittee shall maintain the records for a minimum of two years, unless otherwise specified. For record keeping requirements concerning exempted streams, see §61.356(b). **(Ref.: 40 CFR 61.356(a) & (b))**

5. The permittee when transferring waste offsite shall maintain documentation for each offsite waste shipment that includes the following information: Date waste is shipped offsite, quantity of waste shipped offsite, name and address of the facility receiving the waste, and a copy of the notice sent with the shipment. **(Ref.: 40 CFR 61.356(c))**

6. The permittee shall submit annually, a report that updates the information required in the initial report submitted in accordance with §61.357(a). If the information in the annual report has not changed for the following year, then the permittee shall submit a statement to that effect. The annual report shall include a table identifying each waste stream chosen for exemption under §61.342(c)(3)(ii) and the total annual benzene quantity in these exempted streams. **(Ref.: 40 CFR 61.357(d)(2) & (3))**

7. The permittee shall inspect quarterly, the following equipment: (a) Drains using water seal controls shall be checked for indications of low water levels or other conditions that would reduce the effectiveness of water seal controls; (b) Drains using a tightly sealed cap or plug shall be visually inspected to ensure that caps and plugs are in place and properly installed; (c) Junction boxes shall be visually inspected to ensure that the cover is in place and that the cover has a tight seal around the edge; (d) The unburied portion of each sewer line shall be visually inspected for indication of cracks, gaps, or other problems that could result in benzene emissions. **(Ref.: 40 CFR 61.346(b)(4))**

8. Except as provided for in §61.350, the permittee shall make an effort at first repair as soon as practicable but no later than 15 calendar days after identifying a broken seal, gap, crack or other problem. **(Ref.: 40 CFR 61.346(b)(5))**

9. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

10. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

11. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions, is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AC.3. Emission Point AC-003

1. For PRPU, the permittee shall comply with the recordkeeping and reporting provisions in §63.655(d)(1) through §63.655(d)(6). **(Ref.: 40 CFR 63.655(d))**

2. For CMPU, the permittee shall comply with the recordkeeping and reporting provisions in §63.181 and §63.182, respectively. **(Ref.: 40 CFR 63.181 and 182)**

3. For components with leak detection and repair requirements but no corresponding applicable federal recordkeeping and reporting requirements, the permittee shall comply with the following recordkeeping and reporting requirements.

   (a) The permittee shall record the following information as part of the existing refinery-wide Leak Detection and Repair (LDAR) program:

      (1) The following information shall be recorded in a log that shall be kept in a readily accessible location:

         (i) A list of identification numbers for all equipment subject to LDAR monitoring requirements.

         (ii) A list of idenitifcation numbers for any equipment designated as unsafe-to-monitor and explanation of why each is unsafe-to-monitor.

(iii) A list of identification numbers for any equipment designated for no detectable emissions and the dates of each compliance test, the background level measured during each compliance test, and the maximum instrument reading measured during each compliance test.

(2) The permittee shall record the following information for each monitoring event in a log that shall be kept for two (2) years in a readily accessible location:

(i) Monitoring instrument identification.

(ii) Operator identification.

(iii) Equipment identification.

(iv) Date of monitoring.

(v) Instrument reading.

(3) When a leak is detected, the permittee shall attach a weatherproof and readily visible identification, marked with the equipment identification number. This identification may be removed after the component has been repaired and re-monitored.

(4) When a leak is detected, the permittee shall record the following information in a log that shall be kept for two (2) years in a readily accessible location:

(i) The instrument and operator identification numbers and the equipment identification number.

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

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

(iv) Maximum instrument reading measured after each repair attempt.

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

(vi) The signature of the owner or operator (or designate) whose decision it was that repair could not be effected without a process shutdown.

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

(viii) Dates of process unit shutdowns that occur while the equipment is unrepaired.

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

(b) The permittee shall submit semiannual reports containing the following information. This information shall be submitted as part of the existing LDAR semiannual reports submitted by the refinery.

(1) Process unit identification.

(2) For each quarter during the semiannual period, the type and number of components for which leaks were detected.

(3) The facts that explain each delay or repair and, where appropriate, why a process unit shutdown was technically infeasible.

(4) Dates of process unit shutdowns which occurred within the semiannual reporting period.

4. For process equipment subject to NSPS Subpart GGGa, the permittee shall comply with the provisions of §60.485a for performance testing. **(Ref.: 40 CFR 60.592a(d))**

5. For process equipment subject to NSPS Subpart GGGa, the permittee shall comply with the provisions of §§60.486a and 60.487a for recordkeeping and reporting. **(Ref.: 40 CFR 60.592a(e))**

5.AC.4. Emission Point AC-004

1. The permittee's site remediation activities are not subject to the requirements of 40 CFR Part 63, Subpart GGGGG, except for the following recordkeeping requirements: (a)The permittee determines that the total quantity of the HAP listed in Table 1 of Subpart GGGGG that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediations conducted at the facility is less than 1 mega gram (Mg) annually. This exemption applies the 1 Mg limit on a facility-wide, annual basis, and there is no restriction to the number of site remediations that can be conducted during this period; (b)The permittee must prepare and maintain at the facility written documentation to support your determination that the total HAP quantity in the remediation materials for the year is less than 1 Mg. The documentation must include a description of your methodology and data used for determining the total HAP content of the remediation material. **(Ref.: 40 CFR 63.7881(c))**

5.AE. AE-000, Plant 11, Crude I

5.AE.1. Emission Point AE-001

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and

compressors in light liquid or gas/vapor service in Plant 11 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. Any component in Condition 5.AE.1.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed unti a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AE.4. Emission Point AE-004

1. The permittee shall perform monthly monitoring of the VOC content at the common header to the cooling tower per an EPA-approved test method for strippable VOCs listed in 40 CFR Part 136 or an approved alternative. The test method shall have a minimum detection level of no greater than 10 ppbw. The permittee shall assume all of the VOCs are stripped from the inlet water, unless the permittee chooses to also perform concurrent monthly monitoring of the outlet water to demonstrate compliance with the emission limitations. The permittee shall take a minimum of three sets of samples at the header and outlet (if applicable) and average the resulting concentrations. If after 12 consecutive months of VOC monitoring no strippable VOCs are detected in the inlet water, the frequency of monitoring may be reduced to quarterly. If after 4 consecutive quarters of VOC monitoring no strippable VOCs are detected in the inlet water, the frequency of monitoring may be reduced to yearly. Should any quarterly or yearly monitoring result in a strippable VOC concentration above the detection limit, the permittee shall resume monthly monitoring for at least 12 consecutive months as set forth above. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. The permittee shall continuously monitor the total inlet water flow rate to the cooling tower in gallons per minute. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. Within 180 days after initial startup of the cooling tower, the permittee shall implement and submit a written plan for establishing the VOC concentration that indicates a leak, which shall be no greater than 84 ppbw, and for determining the location of the source(s) of the leak. The plan shall also specify a schedule for repairing the leak(s) at the earliest opportunity, but no later than the net scheduled shutdown of the process unit(s) in which the leak(s) occurs. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the monthly average VOC concentration and the total monthly cooling water flow, as well as the monthly VOC emission rate in lb/MM gal of circulated water and tons/year (12-month rolling total). The 12-month rolling total VOC emission rate for each month shall be calculated by summing the average VOC concentration measured for each month of the 12-month period multiplied by the total cooling water flow for that month. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5. The permittee shall retain records of the design and manufacturer-guaranteed maximum total liquid drift of the cooling tower. These records shall be maintained on site and made available for review by DEQ personnel. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AE.13. Emission Point AE-013

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emissions reports in accordance with 40 CFR 60.7(c). Periods of excess emissions that shall be determined and reported are all rolling 3-hour periods during which the average concentration of H_2S as measured by the continuous monitoring system exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5.AE.200. Emission Point AE-200

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.AF. AF-000, Plant 12, Isomax (ISO) I

5.AF.21. Emission Point AF-021

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5.AG. AG-000, Plant 15, Rheniformer I/ NHT I

5.AG.4. Emission Point AG-004

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.AG.41. Emission Point AG-041

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AG.64. Emission Point AG-064

1. The permittee shall conduct a performance test any time it becomes necessary to reestablish the facility's site specific operating limit for HCl concentration in the catalyst regenerator exhaust gas, as specified in §63.1571. The performance test shall be done using EPA Reference Method 26 of 40 CFR Part 60, Appendix A. Also, the sampling rate must be at least 0.5 dscf/min and the test must be done during the coke burn-off and catalyst rejuvenation cycle, but not during the first hour or the last 6 hours of the cycle. **(Ref.: 40 CFR 63.1567(b)(2) & Table 25)**

2. The permittee shall establish the site-specific operating limit for HCl concentration in the catalyst regenerator exhaust gas by measuring and recording the concentration using a colorimetric tube sampling system at least 3 times during each run of the applicable performance test. Determine and record the average HCl concentration. **(Ref.: 40 CFR 63.1567(b)(3) & Table 25)**

3. The permittee shall monitor and record the HCl concentration at least 4 times during a regeneration cycle (equally spaced in time) or every 4 hours, whichever is more frequent, using a colorimetric tube sampling system; calculating the daily average HCl concentration as an arithmetic average of all samples collected in each 24-hour period from the start of the coke burn-off cycle or for the entire duration of the coke burn-off cycle if the coke burn-off cycle is less than 24 hours; and maintaining the daily average HCl concentration below the applicable operating limit. **(Ref.: 40 CFR 63.1567(c)(1) & Table 28)**

4. The permittee shall submit semiannually, according to the requirements in §63.1575(b), a deviation report identifying a deviation from any emission limitation or work practice standard during the reporting period. The report must contain the information required in §63.1575(d) or (e). If there is no deviation during the reporting period, a statement that no deviations occurred during the reporting period shall be provided. **(Ref.: 40 CFR 63.1575(a) & Table 43)**

5.AH. AH-000, Plant 16, Fluidized Catalytic Cracking

5.AH.51. Emission Point AH-051

1. Compliance with the PM emission rate standard shall be determined using EPA Test Method 5B or 5F and the equation presented in §60.106(b)(1). Stack tests for PM shall be conducted annually. Upon demonstrating through at least three (3) annual tests that the PM limit is not being exceeded, the permittee may request EPA approval for less frequent testing. **(Ref.: Permit to Construct issued December 9, 2005)**

2. The permittee shall record daily the average coke burn-off rate (Mg/hr or ton/hr) and hours of operation using the procedures in 40 CFR 60.106(b). **(Ref.: 40 CFR 60.105(c))**

3. The permittee shall collect at least one fresh feed sample for each 12-hour operating shift. The fresh feed sample shall be analyzed separately by using an analytical test method specified in §60.106(j)(2). If a fresh feed sample cannot be collected at a single location, the fresh feed sulfur content shall be determined using the procedures specified in §60.106(j)(3). The 7-day average sulfur content shall be calculated using all of the fresh-feed sulfur content values obtained during seven successive 24-hour periods. **(Ref.: 40 CFR 60.106(j); See Appendix D, EPA Letter Dated 1/31/2005)**

4. The permittee shall maintain records of the data obtained from the feed sulfur tests and each 7-day rolling average compliance determination. (**Ref.: 40 CFR 60.107(b)(3),(4))**

5. The permittee shall submit a semiannual report containing any 7-day period during which sulfur content of the fresh feed exceeds 0.30 percent by weight. The report shall contain the following information and shall be postmarked by the 30th day following the end of each six-month period: (1) The date the exceedance occurred; (2) An explanation of the exceedance; (3) Whether the exceedance was concurrent with a start-up, shutdown, or malfunction of the FCC unit or control system; (4) A description of the corrective action taken; (5) The date and explanation for any 12-hour period a sulfur feed measurement was not obtained. The report submittal shall contain a signed statement certifying the accuracy and completeness of the information contained in each report. **(Ref.: 40 CFR 60.107(c)(3), (c)(6), (e), (f))**

6. The permittee shall install, certify, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume of SO_2 and O_2 emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures in 40 CFR 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F, 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on each CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RATA or RAA is not performed. With respect to the O_2 CEMS, in lieu of the audit points specified in 40 CFR Part 60, Appendix F, 5.1.2, the permittee may audit the O_2 CEMS at 20-30% and 50-60% of the actual O_2 CEMS span value. **(Ref.: Permit to Construct issued December 9, 2005)**

7. The permittee shall submit a semiannual excess emissions report in accordance with §60.7(c). **(Ref.: Permit to Construct issued December 9, 2005)**

8. The permittee shall install, certify, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume (dry basis) of CO emissions into the atmosphere. The span value for this instrument is 1,000 ppm CO. The CEMS shall be maintained in accordance with 40 CFR 60.13. **(Ref.: 40 CFR 60.105(a)(2))**

   Note: In order to show compliance with the corrected concentration limit required by the Consent Decree, the permittee must include an O_2 CEMS. Also, in lieu of the audit points specified in 40 CFR Part 60, Appendix F, 5.1.2, the permittee may audit the O_2 CEMS at 20-30% and 50-60% of the actual O_2 CEMS span value.

9. The permittee shall submit a semiannual excess emissions report in accordance with §60.7(c). Periods of excess emissions that shall be determined and reported are defined as all 1-hour periods during which the average CO concentration as measured by the CEMS exceeds 500 ppm. **(Ref.: 40 CFR 60.105(e)(2))**

10. The permittee shall install, certify, calibrate, maintain, and operate the continuous monitoring system (CMS) for monitoring and recording the opacity of emissions to the atmosphere. The instrument shall be spanned at 60, 70, or 80 percent opacity. The CMS shall me maintained in accordance with 40 CFR 60.11 and 60.13. **(Ref.: 40 CFR 60.105(a)(1))**

11. The permittee shall submit semiannual excess emissions reports in accordance with 40 CFR 60.7(c). Periods of excess emissions that shall be determined and reported are defined as all 1-hour periods that contain two or more 6-minute periods during which the average opacity as measured by the CMS exceeds 30 percent. **(Ref.: 40 CFR 60.105(e)(1))**

12. The permittee shall, install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for monitoring and recording NO_x emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: Permit to Construct issued May 24, 2005)**

13. The permittee shall monitor the injection of aqueous ammonia solution on a daily basis. **(Ref.: Permit to Construct issued May 24, 2005)**

14. The permittee shall submit a plan for demonstrating compliance with the VOC emission limits within 180 days of completing construction. This monitoring plan shall be submitted to the Environmental Permits Division of MDEQ for prior approval and shall be implemented upon approval. Until such time that the monitoring plan is approved, the permittee shall use emission factors from the most recent stack test(s) to demonstrate compliance with the permit limits. The plan shall include at minimum the following information: (a) The operating parameter(s) to be monitored and the method and frequency of monitoring; (b) The relationship, or correlation, between the monitored parameter(s) and the VOC emission rate; (c) The calculations, stack-test data, monitoring data, etc. used for establishing the correlation. **(Ref.: Permit to Construct issued May 24, 2005)**

15. The permittee shall record the monthly maximum and monthly average 1-hour CO emission rates in lb/hr, as determined by the CEMS, and the 12-month rolling CO emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

16. The permittee shall record the monthly maximum and monthly average 3-hour NO_x emission rates in lb/hr, as determined by the CEMS, and the 12-month rolling NO_x emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

17. The permittee shall record the monthly maximum and monthly average 3-hour SO_2 emission rates in lb/hr, as determined by the CEMS, and the 12-month rolling SO_2 emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

18. The permittee shall record the monthly average 6-minute opacity, as determined by the CMS. **(Ref.: Permit to Construct issued May 24, 2005)**

19. The permittee shall record the monthly maximum and monthly average daily NH_3 emission rates in lb/hr, and the 12-month rolling NH_3 emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

20. The permittee shall record the monthly maximum and monthly average 3-hour PM/PM_{10} emission rates in lb/hr, and the 12-month rolling PM/PM_{10} emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

21. The permittee shall record the monthly maximum and monthly average 3-hour VOC emission rates in lb/hr, and the 12-month rolling VOC emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

22. The permittee shall record the monthly maximum and monthly average 3-hour sulfuric acid emission rates in lb/hr, as determined by correlation to the SO_2 CEMS data, and the 12-month rolling sulfuric acid emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

5.AH.52. Emission Point AH-052

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall collect weekly fuel samples in an as-fired condition and analyzed for total sulfur content. **(Ref.: Permit to Construct issued May 24, 2005)**

4. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

7. The permittee shall install a device to continuously monitor the excess oxygen in the stack and shall develop a correlation between the excess oxygen in the stack to PM/PM_{10} and opacity. The correlation shall be based on the most recent stack test(s) or other test(s) demonstrating compliance with the permit limits. Sample calculations and a description of the developed correlations shall be recorded. **(Ref.: Permit to Construct issued May 24, 2005)**

8. The permittee shall record the excess oxygen measurements.
   (Ref.: Permit to Construct issued May 24, 2005)

9. The permittee shall record the monthly maximum and monthly average 3-hour PM/PM_{10} emission rates in lb/hr, and the 12-month rolling PM/PM_{10} emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

10. The permittee shall record the results of the opacity demonstration for each month. **(Ref.: Permit to Construct issued May 24, 2005)**

11. The permittee shall, install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for monitoring and recording NO_x emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: Permit to Construct issued May 24, 2005; Permit to Construct issued September 4, 2008)**

12. The permittee shall record the monthly maximum and monthly average 3-hour NO_x emission rates in lb/hr, as determined by the CEMS, and the 12-month rolling NO_x emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

13. The permittee shall record the average daily NO_x emissions in lb/MMBTU and the rolling 365-day average NO_x emissions in lb/MMBTU, calculated daily. **(Ref.: Permit to Construct issued September 4, 2008)**

14. The permittee shall, install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for monitoring and recording CO emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: Permit to Construct issued May 24, 2005)**

15. The permittee shall record the monthly maximum and monthly average 3-hour CO emission rates in lb/hr, as determined by the CEMS, and the 12-month rolling CO emission total in tons per year calculated monthly. **(Ref.: Permit to Construct issued May 24, 2005)**

5.AJ. AJ-000, Plant 18, Treaters I

5.AJ.53. Emission Point AJ-053

1. For each storage tank having a capacity of 5,000 gallons or more and is not subject to control requirements because of the criteria in Table 2 of 40 CFR Part 63, Subpart EEEE, items 1 through 6, the permittee must comply with the following:
   (a) The permittee must submit the information in §63.2386(c)(1),(2),(3), and (10)(i) in either the Notification of Compliance Status (NCS), according to the schedule specified in Table 12 to Subpart EEEE, or in the first compliance report, according to the schedule in §63.2386(b), whichever comes first. If the permittee submits the first compliance report before the NCS, the NCS must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the first compliance report. If none of these changes have occurred, the permittee does not need to report the information in §63.2386(c)(10)(i) when submitting the NCS. If the permittee submits the NCS before the first compliance report, the first compliance report must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the NCS;
   (b) The permittee must submit a subsequent compliance report according to the schedule in §63.2386(b) whenever any of the events in §63.2343(d) occur, as applicable. The subsequent compliance reports must contain the information in §63.2386(c)(1), (2), (3) and as applicable in §63.2386(d)(3) and (4). The permittee may submit a single compliance report for all applicable equipment;
   (c) For each storage tank, the permittee must keep documentation, including a record of the annual average true vapor pressure of the total Table 1 organic HAP in the stored organic liquid that verifies the storage tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. **(Ref: 40 CFR 63.2343(b))**

5.AJ.87. Emission Point AJ-087

1. The permittee shall maintain records for a period of 5 years the identification of all Group 2 miscellaneous process vents recorded and submitted in accordance with the Notification of Compliance Status §63.654(f)(1)(ii). **(Ref.: 40 CFR 63.654(i)(4))**

5.AL. AL-000, Plant 21, Boiler Plant (Includes N2 Plant)

5.AL.104. Emission Point AL-104

1. The permittee, to demonstrate compliance with the CO limits expressed as ppmvd, lb/hr, and tons/year, shall install, operate, and maintain a continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume (dry basis) of CO and O_2 emissions to the atmosphere. The CO and O2 CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F §§5.1.1, 5.1.3, and 5.1.4, Chevron may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on each CEMS at least once every 3 years. Chevron shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or RATA is not performed. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

2. The permittee shall maintain all of the following records: All CEMS data; the 3-hr average CO emission rate calculated hourly in units of ppmvd corrected to 3% O2 and lb/hr; and the rolling 12-month total CO emissions in units of tons/year calculated monthly. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

3. Within 60 days after achieving the maximum production rate, but no later than 180 days after initial startup of each emission point, the permittee shall demonstrate initial compliance with the emission limits and standards for the following pollutants by stack testing in accordance with the specified method(s): CO, NO_x, PM/PM_{10}, SO_2, sulfuric acid, opacity. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

4. The permittee shall, for each CEMS, maintain the following records: Each period during which a CEMS is malfunctioning or inoperative, all required measurements needed to demonstrate compliance with a relevant standard, all results of CEMS performance tests, all measurements associated with the conditions of the performance tests, all CEMS calibration checks, all CEMS adjustments and maintenance, and each deviation. Records must be readily available for expeditious review and must be kept for a period of 5 years from the date of record. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

5. The permittee shall determine compliance with the emission limits for NO_x required in §60.44b by conducting performance tests using the continuous emission monitoring system (CEMS) under §60.48b(b). **(Ref.: 40 CFR 60.46b(e))**

6. The permittee shall conduct the initial performance test within 60 days of achieving maximum production or no later than 180 days after startup as required under §60.8 using the CEMS under §60.48b(b) by monitoring NO_x for 30 successive operating days. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period. **(Ref.: 40 CFR 60.46b(e)(1))**

7. The permittee shall determine compliance with the NO_x emission limits in §60.44b on a continuous basis using a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly NO_x emission data for the preceding 30 steam generating unit operating days. **(Ref.: 40 CFR 60.46b(e)(3))**

8. The permittee shall submit notification of the date of initial startup provided by §60.7. The notification shall include the information required in §60.49b(a)(1) through (4), as applicable. **(Ref.: 40 CFR 60.49b(a))**

9. The permittee shall submit the performance test data from the initial performance evaluation of the CEMS using the applicable performance specifications in 40 CFR Part 60, Appendix B. **(Ref.: 40 CFR 60.49b(b))**

10. The permittee shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for each fuel used during the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each month. **(Ref.: 40 CFR 60.49b(d))**

11. The permittee shall maintain records of the following information for each steam-generating unit operating day: (a) Calendar date; (b) The average hourly NO_x emission rates either measured; (c) The 30-day average NO_x emission rates calculated at the end of each steam-generating unit operating day from the measured NO_x emission rates for the preceding 30 operating days; (d) Identification of the operating days when the calculated 30-day average NO_x emission rates are in excess of the NO_x emission standards, with reasons for the excess and corrective actions taken; (e) Identification of operating days when NO_x data is not obtained, with reasons for missing data and corrective actions taken; (f) Identification of times when emission data has been excluded from the calculation of average emission rates and the reasons for the exclusion; (g) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted; (h) Identification of times when the NO_x concentration exceeded the full span of the monitoring system; (i) Description of any modification to the monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3; (j) Results of daily CEMS drift tests and quarterly accuracy assessments as required under Appendix F, Procedure 1. **(Ref.: 40 CFR 60.49b(g))**

12. The permittee shall submit semiannual reports of the operating information recorded under §60.49b(g). **(Ref.: 40 CFR 60.49b(i))**

13. The permittee shall submit semiannual excess emissions reports for any excess emissions that occur during the semiannual reporting period. Excess emissions are defined as any calculated 30-day rolling average NO_x emission rate, which exceeds the applicable emission limit. **(Ref.: 40 CFR 60.49b(h)(2) and (4))**

14. The permittee shall conduct a performance test for each fuel gas combustion device within 60 days of achieving maximum production or no later than 180 days after startup to demonstrate initial compliance with the applicable emission limit(s) in §60.102a(g) according to the requirements of §60.8. The permittee shall determine compliance with the H_2S emission limit according to the test methods and procedures in §60.104a(j). **(Ref.: 40 CFR 60.104a(a) and (j))**

15. The permittee shall install, operate, and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H_2S in the fuel gases before being burned in any fuel gas combustion device. The permittee shall install, operate, and maintain each H_2S monitor according to the requirements of §60.13(c) and Performance Specification 7 of Appendix B to 40 CFR Part 60. The permittee shall use Method 11, 15, of 15A of Appendix A-5 or Method 16 of Appendix A-6 to 40 CFR Part 60 for conducting relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 15A. The permittee shall comply with the applicable quality assurance procedures in Appendix F to 40 CFR Part 60 for each H_2S monitor. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. **(Ref.: 40 CFR 60.107a(a)(2))**

16. The permittee of a fuel gas combustion device is not required to comply with 5.AL.104.15 for fuel gas streams that are exempt under §60.102a(g)(1)(iii) or §60.103a(h) and fuel gas streams combusted in a process heater or other fuel gas combustion device that are inherently low in sulfur content. Fuel gas streams meeting one of the requirements in §60.107a(3)(i) through (iv) will be considered inherently low in sulfur content. **(Ref.: 40 CFR 60.107a(a)(3))**

17. The permittee shall maintain records of the average monthly heat input in MMBTU/hr and shall calculate the rolling 12-month PM/PM_{10} emissions in tons/year on a monthly basis using the results of the most recent stack test. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

18. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

19. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

20. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

22. The permittee shall maintain all of the following records: All CEMS data; the rolling 3-hr average NO_x emission rate calculated hourly in units of lb/hr; the rolling 365-day average NO_x emissions calculated daily in units of lb/MMBTU; and the rolling 12-month total NO_x emissions in units of tons/year calculated monthly. **(Ref.: PSD Permit to Construct issued October 20, 2006)**

24. For the purpose of reports required by §60.7(c), periods of excess emissions for fuel gas combustion devices are defined as specified below. Note: All averages are the arithmetic average of the applicable 1-hour averages, e.g., a rolling 3-hour average is the arithmetic average of three contiguous 1-hour averages, and a rolling 365-day average is the arithmetic average of the applicable daily averages.

(a) Each rolling 3-hour period during which the average concentration of H_2S exceeds 162 ppmv and each rolling 365-day period during which the average concentration of H_2S exceeds 60 ppmv.

(Ref.: 40 CFR 60.107a(i))

25. For each fuel gas stream to which one of the exemptions listed in §60.107a(a)(3) applies, the permittee shall maintain records of the specific exemption determined to apply for each fuel stream. If the permittee applies for the exemption described in §60.107a(a)(3)(iv), the permittee must keep a copy of the application as well as the letter from MDEQ granting approval of the application. **(Ref.: 40 CFR 60.108a(c)(5))**

26. The permittee shall record and maintain records of discharges greater than 500 lb SO_2 in excess of the allowable limits from any affected fuel gas combustion device. These records shall include:

(a) A description of the discharge.

(b) The date and time the discharge was first identified and the duration of the discharge.

(c) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quanitity for each 24-hour period. Engineering calculations are allowed for fuel gas combustion devices other than flares not complying with the alternative monitoring requirements in §60.107a(g).

(d) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emission limit in §60.102a(g)(1), the measured concentration of H_2S in the fuel gas. Process knowledge can be used to make these estimates for fuel gas combustion devices other than flares not complying with the alternative monitoring requirements in §60.107a(g).

(e) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emission limit in §60.102a(g)(1), the cumulative quantity of H_2S and SO_2 released into the atmosphere. For releases controlled by flares, assume 99 percent conversion of reduced sulfur to SO_2. For fuel gas combustion devices, assume 99 percen conversion of H_2S to SO_2.

(f) The steps that the permittee took to limit the emissions during the discharge.

(g) The root-cause analysis and corrective action analysis conducted as required in §60.103a(d), including an identification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under § 60.103a(e).

(h) For any corrective action analysis for which corrective actions are required in § 60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

(i) For each discharge from any affected flare that is the result of a planned startup or shutdown of a refinery process unit or ancillary equipment connected to the affected flare, a statement that a root cause analysis and corrective action analysis are not necessary because the owner or operator followed the flare management plan. **(Ref.: 40 CFR 60.108a(c)(6))**

27. The permittee shall submit an excess emissions report for all periods of excess emissions according to the requirements of §60.7(c) except that the report shall contain the information specified below:

(a) The date that the exceedance occurred;

(b) An explanation of the exceedance;

(c) Whether the exceedance was concurrent with startup, shutdown, or malfunction of an affected facility or control system; and

(d) A description of the action taken, if any.

(e) A root-cause summary report that provides the information described in §60.108a(c)(6) for all discharges for which a root-cause analysis was required by §60.103a(b).

(f) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit. Operations of the control system and affected during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

(g) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

(Ref.: 40 CFR 60.108a(d))

5.AL.106 Emission Point AL-106

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

5.AM. AM-000, Plant 22, Hydrofiner

5.AM.111. Emission Point AM-111

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 3-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5.AN. AN-000, Plant 24, Aromax

5.AN.3. Emission Point AN-003

1. The permittee shall maintain on-site a current start-up, shutdown, and malfunction (SSM) plan and must make the plan available upon request for inspection and copying by the MDEQ. If the SSM plan is revised, the permittee must be able to provide all previous versions of the SSM for a period of 5 years following the revision. **(Ref.: 40 CFR 63.6(e)(3)(v))**

2. The permittee shall submit periodic and immediate SSM reports in accordance with the guidelines provided in §63.10(d)(5)(i) and (ii). **(Ref.: 40 CFR 63.10(d)(5))**

5.AN.6. Emission Point AN-006

1. The permittee shall retain records of the information required in §63.104(f)(1)(i) through (f)(1)(iv) of this section as specified in §63.103(c)(1). **(Ref.: 40 CFR 63.104(f)(1))**

2. If the permittee invokes the delay of repair provisions for a heat exchange system per §63.104(e), a report containing the information in §63.104(f)(2)(i) through (f)(2)(v) shall be submitted in the next semiannual periodic report. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report until repair of the leak is reported. **(Ref.: 40 CFR 63.104(f)(2))**

5.AN.15. Emission Point AN-015

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in § 61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AN.404. Emission Point AN-404

1. The permittee shall perform a monthly visual inspection of the seal or closure mechanism on the bypass-line valve to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR 63.114(d)(2))**

2. The permittee shall keep up-to-date, readily accessible records of all monthly visual inspections. These records shall also include all periods and duration when the closure mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the

key for a lock-and-key configuration has been checked out. **(Ref.: 40 CFR 63.118(a)(4))**

3. The permittee shall submit semiannual reports of the following inspection records: (a) All periods and duration when the vent stream is diverted from the control device to the atmosphere; (b) All periods in which the seal mechanism is broken or the bypass valve position has changed. A record of the serial number of the car-seal or a record to show that the key to unlock the bypass line valve was checked out must be maintained to demonstrate the period, the duration, and frequency in which the bypass line was operated. **(Ref.: 40 CFR 63.152(c))**

5.AN.405. Emission Point AN-405

1. The permittee shall retain the process design description that was submitted with the initial report, for the life of the process. No other records or reports would be required unless process changes are made. **(Ref.: 40 CFR 60.705(r))**

5.AN.426. Emission Point AN-426

1. The permittee shall perform a monthly visual inspection of the seal or closure mechanism on the bypass-line valve to ensure that the valve is maintained in the closed position and the vent stream is not routed through the bypass line. **(Ref.: 40 CFR 60.703(b)(2)(ii))**

2. The permittee shall keep up-to-date, readily accessible records of all monthly visual inspections. These records shall also include all periods and duration when the closure mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key configuration has been checked out. **(Ref.: 40 CFR 60.705(d)(2))**

3. The permittee shall submit semiannual reports of the following inspection records: (a) All periods and duration when the vent stream is diverted from the control device to the atmosphere; (b) All periods in which the seal mechanism is broken or the bypass valve position has changed. A record of the serial number of the car-seal or a record to show that the key to unlock the bypass line valve was checked out must be maintained to demonstrate the period, the duration, and frequency in which the bypass line was operated. **(Ref.: 40 CFR 60.705(l)(2), (7))**

5.AN.427. Emission Point AN-427

1. The permittee shall keep up-to-date, readily accessible continuous records of the flow indication, as well as up-to-date, readily accessible records of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(d))**

2. The permittee shall submit semiannual reports of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(l)(2))**

5.AN.752. Emission Point AN-752

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5.AO. AO-000, Plant 27, H_2S II/ SRU II & III

5.AO.4. Emission Point AO-004

1. The permittee shall install, operate, maintain, and calibrate an instrument for continuously monitoring and recording the concentration of SO_2 (dry basis, zero percent excess air) emitted into the atmosphere. The monitor shall include an oxygen monitor for correcting the data for excess air. The span values for this monitor are 500 ppm SO_2 and 25 percent O_2. The performance evaluations for this monitor under §60.13(c) shall use Performance Specification 2 of Appendix B of Part 60. Methods 6 or 6C and Method 3 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(5))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c), for periods of excess emissions determined as all 12-hour periods during which the average concentration of SO_2 exceeds 250 ppm (dry basis, zero percent excess air). The semiannual report shall be postmarked by the 30th day following the end of each six-month period and shall contain a signed statement certifying the accuracy and completeness of the information. **(Ref.: 40 CFR 60.105(e)(4)(i), 40 CFR 60.107(e) and (f))**

5.AO.20. Emission Point AO-020

1. The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented. **(Ref.: 40 CFR 63.646(b)(1))**

2. For a storage vessel determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. **(Ref.: 40 CFR 63.654(i)(1)(iv))**

5.AO.198. Emission Point AO-198

1. The permittee shall, for a storage vessel with an external-floating roof, determine the gap measurements for the primary and secondary seals. The gap measurements shall be done within 60 days of the initial fill with petroleum liquid and shall be done in accordance with the procedures in §60.113a(a)(1)(ii) and (iii). It is considered an initial fill if the storage vessel has been out of service for a period of one year or greater and is refilled with petroleum liquid. For primary seals, gap measurements shall be performed at least once every five years following the initial fill. All primary seal measurements which require the removal or dislodging of the secondary seal shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible. For secondary seals, gap measurements shall be performed at least once a year following the initial fill. **(Ref.: 40 CFR 60.113a(a)(1))**

2. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 60.113a(a)(1)(iv))**

3. The permittee shall maintain gap measurement records for a period of two years following the date of gap measurement. The records shall consist of the vessel identity, the date of gap measurement, and the data obtained from the measurement procedures in §60.113a(a)(1)(ii) and (iii). **(Ref.: 40 CFR 60.113a(a)(1)(i)(D))**

4. If either the seal gap calculated in accord with §60.113a(a)(1)(iii) or the measured maximum seal gap exceeds the limitations specified by §60.112(a), a report shall be furnished within 60 days of the date of measurement. The report shall identify the vessel and list each reason why the vessel did not meet the requirements. The report shall also describe the actions necessary to bring the storage vessel into compliance with the requirements. **(Ref.: 40 CFR 60.113a(a)(1)(i)(E))**

5.AP. AP-000, Plant 29, Ethylbenzene Complex

5.AP.3. Emission Point AP-003

1. The permittee shall maintain on-site a current start-up, shutdown, and malfunction (SSM) plan and must make the plan available upon request for inspection and copying by the MDEQ. If the SSM plan is revised, the permittee must be able to provide all previous versions of the SSM for a period of 5 years following the revision. **(Ref.: 40 CFR 63.6(e)(3)(v))**

2. The permittee shall submit periodic and immediate SSM reports in accordance with the guidelines provided in §63.10(d)(5)(i) and (ii). **(Ref.: 40 CFR 63.10(d)(5))**

5.AP.6. Emission Point AP-006

1. The permittee shall retain records of the information required in §63.104(f)(1)(i) through (f)(1)(iv) of this section as specified in §63.103(c)(1). **(Ref.: 40 CFR 63.104(f)(1))**

2. If the permittee invokes the delay of repair provisions for a heat exchange system per §63.104(e), a report containing the information in §63.104(f)(2)(i) through (f)(2)(v) shall be submitted in the next semiannual periodic report. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report until repair of the leak is reported. **(Ref.: 40 CFR 63.104(f)(2))**

5.AP.124. Emission Point AP-124

1. The permittee shall maintain records of the monthly maximum and monthly average 3-hour NO_x and CO emission rates in lb/hr and the 12-month rolling NO_x and CO emission totals in ton/year, calculated for each month of the semiannual period. The records should include sample calculations of the method used to determine the NO_x and CO emission rates. **(Ref.: Permit to Construct issued May 24, 2005)**

2. The permittee shall install a device to continuously monitor the combustion temperature and flue gas oxygen content and shall establish operating ranges for these parameters indicative of compliance with the NO_x and CO limits established in the permit. The operating ranges shall be established based on the most recent stack test(s) or other test(s) for NO_x and CO which demonstrates compliance with the permit limits. The permittee shall maintain records of any periods during which a continuous monitoring system (CMS) is inoperative. The permittee shall maintain a file of all CMS measurements, calibration checks, adjustments, and maintenance. The permittee shall maintain records of the methods used to establish the operating ranges. The permittee shall also maintain records of the monthly maximum and monthly average 3-hour combustion temperature and flue gas oxygen content. **(Ref.: Permit to Construct issued May 24, 2005)**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 3-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).) Note: The result of the fuel analysis for sulfur content provides the basis for this calculation.**

4. The permittee shall determine the sulfur content of the natural gas on a monthly basis. The permittee shall maintain records of the monthly analysis. **(Ref.: Permit to Construct issued May 24, 2005)**

5. The permittee shall monitor amount of natural gas combusted during each hour and shall record the monthly maximum and monthly average amount of

natural gas combusted every three hours and the total amount combusted during each month of the semiannual period. **(Ref.: Permit to Construct issued May 24, 2005)**

6. The permittee shall install, calibrate, maintain, and operate an instrument for continuous measurement of the concentration by volume of CO emissions to the atmosphere. The monitoring device shall be calibrated in accordance with the manufacturer's instructions. **(Ref.: Permit to Construct issued May 24, 2005)**

5.AP.225. Emission Point AP-225

1. The permittee shall retain the process design description that was submitted with the initial report, for the life of the process. No other records or reports would be required unless process changes are made. **(Ref.: 40 CFR 60.705(r))**

2. The permittee shall perform a monthly visual inspection of the seal or closure mechanism on the bypass-line valve to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR 63.114(d)(2))**

3. The permittee shall keep up-to-date, readily accessible records of all monthly visual inspections. These records shall also include all periods and duration when the closure mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key configuration has been checked out. **(Ref.: 40 CFR 63.118(a)(4))**

4. The permittee shall submit semiannual reports of the following inspection records: (a) All periods and duration when the vent stream is diverted from the control device to the atmosphere; (b) All periods in which the seal mechanism is broken or the bypass valve position has changed. A record of the serial number of the car-seal or a record to show that the key to unlock the bypass line valve was checked out must be maintained to demonstrate the period, the duration, and frequency in which the bypass line was operated. **(Ref.: 40 CFR 63.152(c))**

5.AQ. AQ-000, Plant 32, Effluent Treating System, Utilities

5.AQ.1. Emission Point AQ-001

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor the valves and pumps in light liquid or gas/vapor service for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: Permit to Construct issued January 8, 2008, revised**

November 13, 2012)

2. Any equipment found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed until a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: Permit to Construct issued January 8, 2008, revised November 13, 2012)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: Permit to Construct issued January 8, 2008, revised November 13, 2012)**

5.AQ.40. Emission Point AQ-040

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions, as indicated by an instrument reading of less than 500 ppmv above background, determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.352(b); 40 CFR 61.347(a)(1)(i)(A))**

2. Each cover seal, access hatch, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur between the cover and the oil-water separator wall and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.352(b); 40 CFR 61.347(b))**

3. Except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable but no later than 15 calendar days after identification. **(Ref.: 40 CFR 61.352(b); 40 CFR 61.347(c))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in § 61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than

15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in § 61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AQ.41. Emission Point AQ-041

1. The permittee shall, for all access doors and other openings associated with the floating roof, visually inspect initially and then semiannually thereafter to ensure that there is a tight fit around the edges and to identify other problems that could result in VOC emissions. **(Ref.: 40 CFR 61.352(a)(1), 40 CFR 60.693-2(a)(5)(i))**

2. The permittee shall, for a broken seal or gasket on an access door or other opening associated with the floating roof, repair the seal or gasket as soon as practicable but no later than 30 calendar days after it is identified, except as provided by delay of repair requirements in §60.692-6. **(Ref.: 40 CFR 61.352(a)(1), 40 CFR 60.693-2(a)(5)(ii))**

5.AQ.51. Emission Point AQ-051

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AQ.54. Emission Point AQ-054

1. The permittee shall monitor and record monthly the type, quantity, and quality of the fuel used. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AQ.60. Emission Point AQ-060

1. The permittee shall exempt a waste stream from the management and treatment requirements of §61.342(c)(1) by demonstrating initially and thereafter, at least once per year that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw. The benzene concentration shall be determined by the procedures specified in §61.355(c)(2). **(Ref.: 40 CFR 61.342(c)(2))**

2. For uncontrolled benzene waste streams, records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. **(Ref.: 40 CFR 61.356(b)(1))**

5.AQ.100. Emission Point AQ-100

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall visually inspect the bypass line valve at least once every month, checking the position of the valve and the condition of the car-seal or closure mechanism to ensure tha thte valve is maintained in the closed position and the vent stream is not diverted through a bypass line.

8. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

9. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

10. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

11. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

12. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

13. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

14. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

15. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

16. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

17. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

18. *[Reserved]*

19. *[Reserved]*

20. *[Reserved]*

21. Permittee shall develop and implement a monitoring plan to demonstrate compliance with the H2S standard of 1 grain per 100 standard cubic feet (1 gr/100 scf) found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2). The monitoring plan shall identify sources to be tested, rationale for selecting these sources, the test/monitoring method(s) to be used, the frequency of the testing/monitoring and the threshold at which corrective action will be taken to reduce H2S emissions. **(Ref.: Permit to Construct issued January 8, 2008 and modified November 13, 2012.)**

5.AQ.110. Emission Point AQ-110, AQ-120, and AQ-130

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall during the hydrostatic testing of the tank or within 60 days of the initial-fill with VOL and at least once every 5 years, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall within 60 days of the initial fill with VOL and at least once every year, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

3. If the storage vessel ceases to store VOL for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals in accordance with the initial-fill requirements in §60.113b(b)(1)(i) and (ii). **(Ref.: 40 CFR 60.113b(b)(1)(iii))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §60.113b(b)(2) and (3). **(Ref.: 40 CFR 63.113b(b)(2) & (3))**

5. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification in any inspection for seals not meeting the requirements listed in §60.113b(b)(4)(i) and (ii). If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(b)(4)(iii). **(Ref.: 40 CFR 60.113b(b)(4))**

6. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(b)(6))**

7. The permittee shall submit a report within 60 days of performing seal gap measurements required by §60.113b(b)(1) for an initial fill. The report shall contain the date of measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(2))**

8. The permittee shall keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain the date of the measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(3))**

9. After each seal gap measurement that detects an exceedance of the limitations specified in §60.113b(b)(4), the permittee shall submit a report within 30 days of the inspection. The report will identify the vessel and contain the information specified in §60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. **(Ref.: 40 CFR 60.115b(b)(4))**

5.AQ.200. Emission Point AQ-200

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. *[Reserved]*

8. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

9. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

10. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

11. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

12. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

13. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

14. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

15. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

16. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

17. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

18. *[Reserved]*

19. *[Reserved]*

20. *[Reserved]*

21. Permittee shall develop and implement a monitoring plan to demonstrate compliance with the H2S standard of 1 grain per 100 standard cubic feet (1 gr/100 scf) found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2). The monitoring plan shall identify sources to be tested, rationale for selecting these sources, the test/monitoring method(s) to be used, the frequency of the testing/monitoring and the threshold at which corrective action will be taken to reduce H2S emissions.

(Ref.: Permit to Construct issued January 8, 2008 and modified November 13, 2012.)

5.AQ.220. Emission Point AQ-220

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall visually inspect the bypass line valve at least once every month, checking the position of the valve and the condition of the car-seal or closure mechanism to ensure that the valve is maintained in the closed position and the vent stream is not diverted through a bypass line. **(Ref.: 40 CFR 61.354(f)(1))**

8. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

9. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

10. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

11. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

12. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

13. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

14. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

15. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

16. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

17. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

18. *[Reserved]*

19. *[Reserved]*

20. *[Reserved]*

21. Permittee shall develop and implement a monitoring plan to demonstrate compliance with the H2S standard of 1 grain per 100 standard cubic feet (1 gr/100 scf) found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2). The monitoring plan shall identify sources to be tested, rationale for selecting these sources, the test/monitoring method(s) to be used, the frequency of the testing/monitoring and the threshold at which corrective action will be taken to reduce H2S emissions.

(Ref.: Permit to Construct issued January 8, 2008 and modified November 13, 2012.)

5.AQ.32201. Emission Points AQ-32201A/B, AQ-32202A/B, AQ-32203A/B, AQ-32204A/B

1. The permittee shall maintain documentation that the engines are certified to the emission standards in 40 CFR 60.4205(b) for the same model year and maximum engine power. Records shall also be maintained that documents the engines were installed and configured according to the manufacturer's emission-related specifications.

   (Ref.: 40 CFR 60.4211(c), Subpart IIII and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).

2. The permittee shall maintain records documenting that the engines and control devices (if applicable) were operated and maintained according to the manufacturer's emission-related written instructions. Permittee is only allowed to change those emission-related settings that are permitted by the manufacturer.

   (Ref.: 40 CFR 60.4211(a), Subpart IIII and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

3. The permittee shall keep records of the hours of operation of the engines that are recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

   (Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

4. The permittee shall maintain records, which document that the engines were only fired with diesel fuel meeting the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

   (Ref.: 40 CFR 60.4207(b), Subpart IIII and 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)

5.AR. AR-000, Plant 33, Coke Conveyor and Storage

5.AR.2. Emission Point AR-002

1. The permittee shall conduct visible emissions tests in accordance with EPA Reference Method 22, 40 CFR Part 60, Appendix A. The visible emissions tests shall be done on a daily basis. Observations shall be recorded for at least three 6-minute periods each day. If any visible emissions are observed, the permittee shall report the visible emissions as a potential deviation and the permittee shall initiate, within one hour, corrective actions to eliminate the visible emissions. The permittee shall record the results of all visible observations and shall maintain these records on site for a period of five years. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

2. The permittee shall submit semiannual reports for any deviations that occur. The report shall contain the time and date of the deviation, the cause of the visible emissions, and any corrective actions that were taken. The report shall be postmarked no later than 30 days following the end of each calendar half. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

5.AS. AS-000, Plant 34, Blending Plant Emission Points

5.AS.2. Emission Point AS-002

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.AS.3. Emission Point AS-003

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and compressors in ethanol service in Plant 34 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. Any component in Condition 5.AS.3.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed unti a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: PSD Permit to Construct issued May 8,**

2007)

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AS.4. Emission Point AS-004

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified or when detectable emissions are measured, first efforts at repair shall be made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description

of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. The permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AS.10. Emission Point AS-010

1. The permittee shall perform monthly monitoring of the VOC content at the common header to the cooling towers per an EPA-approved test method for strippable VOC's listed in 40 CFR Part 136 or an approved alternative. The test method shall have a minimum detection level of no greater than 10 ppbw. The permittee shall assume that all of the VOC's are stripped from the inlet water, unless the permittee chooses to also perform concurrent monthly monitoring of the outlet water to demonstrate compliance with the emission limitations. The permittee shall take a minimum of three sets of samples at the header and outlet (if applicable) and average the resulting concentrations. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. The permittee shall continuously monitor the total inlet water flow rate to the cooling towers in gallons per minute. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. The permittee shall record the monthly average VOC concentration and the total monthly cooling water flow, as well as the monthly VOC emission rate in tons. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the date the cooling towers are brought on site, the date of startup, the total time the cooling towers are operated, and the date the cooling towers are removed from service. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5. The permittee shall report semiannually the date the cooling towers are brought on site, the date of startup, the total time the cooling towers are operated, and the date the cooling towers are removed from service. Upon ceasing operation of the cooling towers, the permittee shall report the total VOC emissions in tons/year. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AS.19. Emission Point AS-019

1. The permittee shall monitor and record monthly the type, quantity, and quality of the fuel used. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AS.29. Emission Point AS-029

1. The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented. **(Ref.: 40 CFR 63.646(b)(1))**

2. For a storage vessel determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. **(Ref.: 40 CFR 63.654(i)(1)(iv))**

5.AS.35. Emission Point AS-035

1. The permittee shall visually inspect the internal floating roof and the secondary seal through manholes and roof hatches on the fixed roof at least once every 12 months after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(a)(3)(ii))**

2. The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal, gaskets, slotted membranes, and sleeve seals (if any) each time the vessel is emptied and degassed and at least once every 10 years after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(a)(3)(iii))**

3. If during inspections required by §63.120(a)(3)(ii), the internal floating roof is not resting on the surface of the liquid and is not resting on the leg supports, there is liquid on the floating roof, the seal is detached, there are holes or tears in the seal fabric, or there are highly visible gaps between the seal and the wall of the storage vessel, the permittee shall repair the items or empty and remove the storage vessel from service within 45 calendar days. If a failure detected during the inspection cannot be repaired or the tank cannot be emptied within the 45 calendar days, the permittee may utilize up to 2 extensions of up to 30 days each. Documentation of a decision to utilize an extension shall include a description of the failure, shall document that alternate storage was unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as practical. **(Ref.: 40 CFR 63.120(a)(4))**

4. For inspections required by §63.120(a)(3)(iii), the permittee shall notify the MDEQ in writing at least 30 days prior to the refilling of each storage vessel to afford the MDEQ to have an observer present. If the inspection is not planned and the permittee could not have known about the inspection 30 calendar days in advance of refilling the vessel, the permittee shall notify the MDEQ at least 7 calendar days prior to refilling. Notification by telephone may be made, followed immediately by written documentation as to why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the MDEQ at least 7 calendar days prior to refilling. **(Ref.: 40 CFR 63.120(a)(5) & (6); 40 CFR 63.122(h)(1)(i))**

5. If during the inspections required by §63.120(a)(3)(iii), the internal floating roof has defects; or 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 surface from the atmosphere; or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions exist before refilling the storage vessel. **(Ref.: 40 CFR 63.120(a)(7))**

6. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be retained as long as the storage vessel retains the Group 1 status and is in operation. **(Ref.: 40 CFR 63.123(a))**

7. The permittee shall keep a record that each inspection required by §63.120(a) was performed. **(Ref.: 40 CFR 63.123(c))**

8. The permittee who elects to utilize an extension in emptying a storage vessel in accordance with §63.120(a)(4) shall keep in a readily accessible location the required documentation. **(Ref.: 40 CFR 63.123(g))**

9. The permittee shall submit Periodic Reports semiannually no later than 60 calendar days after the end of each 6-month period beginning on the date the Notification of Compliance Status is due in accordance with §63.152(b). The Periodic Report shall include the following information, more specifically stated in §63.122. For the required Periodic Report, the permittee shall submit the results of each inspection conducted in accordance with §63.120(a) in which a failure is detected in the control equipment. For annual inspections required under §63.120(a)(3)(ii), a failure is defined as any time in which the internal floating roof is not resting on the surface of the liquid and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached from the internal floating roof; or there are holes, tears, or other openings in the seal or seal fabric; or there are visible gaps between the seal and the wall of the storage vessel. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and the nature of and date the repair was made or the vessel was emptied. If an extension is utilized in accordance with §63.120(a)(4), the permittee shall, in the next Periodic Report, identify the vessel; include the documentation specified in §63.120(a)(4); and describe the date the storage vessel was emptied and the nature of and date the repair was made. For inspections required under §63.120(a)(3)(iii), a failure is defined as any time in which the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, the gaskets no longer close off the liquid surface from the atmosphere, or the slotted membrane has more than 10 percent open area. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and a description of the nature of and date the repair was made. **(Ref.: 40 CFR 63.152(c), 40 CFR 63.122(d))**

5.AS.70. Emission Point AS-070

1. The permittee shall visually inspect the internal floating roof and the primary seal prior to filling the storage vessel with volatile organic liquid. If there are holes, tears, or other openings in the primary seal or seal fabric or defects in the internal floating roof, the permittee shall repair the items before filling the storage vessel. **(Ref.: 40 CFR 60.113b(a)(1))**

2. The permittee shall, for vessels with a mechanical shoe seal, visually inspect the internal floating roof and the primary seal through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. **(Ref.: 40 CFR 60.113b(a)(2))**

3. The permittee shall submit a report within 30 days of the annual inspection required by §60.113b(a)(2) identifying any defects identified during the inspection. The report shall identify the storage vessel, the nature of the defects, the date the vessel was emptied, or the nature of and the date of repair. **(Ref.: 40 CFR 60.115b(a)(3))**

4. The permittee shall, if the internal floating roof is not resting on the surface of the volatile organic liquid, or there is liquid accumulated on the roof, or the seal is torn or detached, repair the items or empty and remove the vessel from service within 45 days. If a failure found during this inspection cannot be repaired or the vessel cannot be emptied within 45 days, a 30-day extension may be requested from MDEQ in the inspection report required in §60.115b(a)(3). Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions that the company will take to assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. **(Ref.: 40 CFR 60.113b(a)(2))**

5. The permittee shall visually inspect the internal floating roof, the primary seal, gaskets, slotted membranes, and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes or tears in the seal or the seal fabric, or the gaskets no longer close off the liquid from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items prior to refilling the vessel. In no event shall these inspections occur at intervals greater than 10 years. **(Ref.: 40 CFR 60.113b(a)(4))**

6. The permittee shall notify the MDEQ in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by §60.113b(a)(1) or (a)(4) to afford the MDEQ the opportunity to have an observer present. If the inspection required by §60.113b(a)(4) is unplanned and the permittee could not have known about the inspection 30 days in advance of refilling, the permittee shall notify the MDEQ at least 7 days prior to refilling. The notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent by express mail so that it is received by the MDEQ at least 7 days prior to refilling. **(Ref.: 40 CFR 60.113b(a)(5))**

7. The permittee shall keep a record of each inspection performed as required by §60.113b(a)(1), (a)(2), (a)(3), or (a)(4). Each record shall identify the storage vessel, the date of the inspection, and the observed condition of each component inspected. **(Ref.: 40 CFR 60.115b(a)(2))**

5.AS.72. Emission Point AS-072

1. The permittee shall exempt a waste stream from the management and treatment requirements of §61.342(c)(1) by demonstrating initially and thereafter, at least once per year that the flow-weighted annual average benzene concentration for the waste stream is less than 10 ppmw. The benzene concentration shall be determined by the procedures specified in §61.355(c)(2). **(Ref.: 40 CFR 61.342(c)(2))**

2. For uncontrolled benzene waste streams, records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. **(Ref.: 40 CFR 61.356(b)(1))**

5.AS.85. Emission Point AS-085

1. For each storage tank having a capacity of 5,000 gallons or more and is not subject to control requirements because of the criteria in Table 2 of 40 CFR Part 63, Subpart EEEE, items 1 through 6, the permittee must comply with the following:
   (a) The permittee must submit the information in §63.2386(c)(1),(2),(3), and (10)(i) in either the Notification of Compliance Status (NCS), according to the schedule specified in Table 12 to Subpart EEEE, or in the first compliance report, according to the schedule in §63.2386(b), whichever comes first. If the permittee submits the first compliance report before the NCS, the NCS must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the first compliance report. If none of these changes have occurred, the permittee does not need to report the information in §63.2386(c)(10)(i) when submitting the NCS. If the permittee submits the NCS before the first compliance report, the first compliance report must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the NCS;
   (b) The permittee must submit a subsequent compliance report according to the schedule in §63.2386(b) whenever any of the events in §63.2343(d) occur, as applicable. The subsequent compliance reports must contain the information in §63.2386(c)(1), (2), (3) and as applicable in §63.2386(d)(3) and (4). The permittee may submit a single compliance report for all applicable equipment;
   (c) For each storage tank, the permittee must keep documentation, including a record of the annual average true vapor pressure of the total Table 1 organic HAP in the stored organic liquid that verifies the storage tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. **(Ref: 40 CFR 63.2343(b))**

5.AS.103 Emission Point AS-103

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall at least once every 5 years beginning with the hydrostatic testing or the compliance date specified in §63.640(h), whichever is later. **(Ref.: 40 CFR 63.120(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall at least once every year beginning with the compliance date specified in §63.640(h). **(Ref.: 40 CFR 63.120(b)(1)(iii))**

3. If the storage vessel ceases to store organic HAP or is not a Group 1 storage vessel under §63.641 for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals within 90 calendar days of the vessel being refilled. **(Ref.: 40 CFR 63.120(b)(1)(iv))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §63.120(b)(2), (3), and (4). **(Ref.: 40 CFR 63.120(b)(2), (3), & (4))**

5. The primary seal, if a metallic shoe seal, shall extend into the stored liquid on one end and extend 61 centimeters above the surface of the stored liquid on the other end. Also there shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. **(Ref.: 40 CFR 63.120(b)(5))**

6. The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except for the allowed gap space. Also, there shall be no holes, tears, or other openings in the seal or seal fabric. **(Ref.: 40 CFR 63.120(b)(6))**

7. If the tank roof is determined to be unsafe to perform the required inspections, the permittee shall comply with the provisions in §63.120(b)(7). **(Ref.: 40 CFR 63.120(b)(7))**

8. The permittee shall repair failures, as defined in §63.120(b)(8), no later than 45-calendar days following identification. If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §63.120(b)(8). **(Ref.: 40 CFR 63.120(b)(8))**

9. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 63.120(b)(9))**

10. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 63.120(b)(10))**

11. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **(Ref.: 40 CFR 63.123(a))**

12. The permittee shall keep records describing the results of the seal gap measurements made in accordance with §63.120(b). The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations performed. **(Ref.: 40 CFR 63.123(d))**

13. The permittee shall submit, within 60 days of the end of each 6-month period, a periodic report of the results of each seal gap measurement that does not satisfy the seal and seal gap requirements in §63.120(b). The report shall include the date of the seal gap measurement, the raw data and calculations made, a description of the seal condition that is not met, and the nature and date of repair. **(Ref.: 40 CFR 63.654(g)(3))**

14. The permittee shall retain for 5-years all information reported under paragraphs §63.654(a) through §63.654(h). **(Ref.: 40 CFR 63.654(i)(4))**

5.AS.142. Emission Point AS-142

1. The permittee shall visually inspect the internal floating roof and the secondary seal through manholes and roof hatches on the fixed roof at least once every 12 months after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(a)(3)(ii))**

2. The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal, gaskets, slotted membranes, and sleeve seals (if any) each time the vessel is emptied and degassed and at least once every 10 years after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(a)(3)(iii))**

3. If during inspections required by §63.120(a)(3)(ii), the internal floating roof is not resting on the surface of the liquid and is not resting on the leg supports, there is liquid on the floating roof, the seal is detached, there are holes or tears in the seal fabric, or there are highly visible gaps between the seal and the wall of the storage vessel, the permittee shall repair the items or empty and remove the storage vessel from service within 45 calendar days. If a failure detected during the inspection cannot be repaired or the tank cannot be emptied within the 45 calendar days, the permittee may utilize up to 2 extensions of up to 30 days each. Documentation of a decision to utilize an extension shall include a description of the failure, shall document that alternate storage was unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as practical. **(Ref.: 40 CFR 63.120(a)(4))**

4. For inspections required by §63.120(a)(3)(iii), the permittee shall notify the MDEQ in writing at least 30 days prior to the refilling of each storage vessel to afford the MDEQ to have an observer present. If the inspection is not planned and the permittee could not have known about the inspection 30 calendar days in advance of refilling the vessel, the permittee shall notify the MDEQ at least 7 calendar days prior to refilling. Notification by telephone may be made, followed immediately by written documentation as to why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the MDEQ at least 7 calendar days prior to refilling. **(Ref.: 40 CFR 63.120(a)(5) & (6); 40 CFR 63.654(h)(2)(i))**

5. If during the inspections required by §63.120(a)(3)(iii), the internal floating roof has defects; or 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 surface from the atmosphere; or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions exist before refilling the storage vessel. **(Ref.: 40 CFR 63.120(a)(7))**

6. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be retained as long as the storage vessel retains the Group 1 status and is in operation. **(Ref.: 40 CFR 63.123(a))**

7. The permittee shall keep a record that each inspection required by §63.120(a) was performed. **(Ref.: 40 CFR 63.123(c))**

8. The permittee who elects to utilize an extension in emptying a storage vessel in accordance with §63.120(a)(4) shall keep in a readily accessible location the required documentation. **(Ref.: 40 CFR 63.123(g))**

9. The permittee shall submit Periodic Reports semiannually beginning on the date the Notification of Compliance Status is due no later than 60 calendar days after the end of each 6-month period when a compliance exception identified in §63.654(g)(2) occurs. For the required Periodic Report, the permittee shall submit the results of each inspection conducted in accordance with §63.120(a) in which a failure is detected in the control equipment. For annual inspections required under §63.120(a)(3)(ii), a failure is defined as any time in which the internal floating roof is not resting on the surface of the liquid and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached from the internal floating roof; or there are holes, tears, or other openings in the seal or seal fabric; or there are visible gaps between the seal and the wall of the storage vessel. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and the nature of and date the repair was made or the vessel was emptied. If an extension is utilized in accordance with §63.120(a)(4), the permittee shall, in the next Periodic Report, identify the vessel; include the documentation specified in §63.120(a)(4); and describe the date the storage vessel was emptied and the nature of and date the repair was made. For inspections required under §63.120(a)(3)(iii), a failure is defined as any time in which the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, the gaskets no longer close off the liquid surface from the atmosphere, or the slotted membrane has more than 10 percent open area. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and a description of the nature of and date the repair was made. **((Ref.: 40 CFR 63.654(g)(2))**

5.AS.144 Emission Point AS-144

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall during the hydrostatic testing of the tank or within 60 days of the initial-fill with VOL and at least once every 5 years, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall within 60 days of the initial fill with VOL and at least once every year, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

3. If the storage vessel ceases to store VOL for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals in accordance with the initial-fill requirements in §60.113b(b)(1)(i) and (ii). **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §60.113b(b)(2) and (3). **(Ref.: 40 CFR 63.113b(b)(2) & (3))**

5. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification in any inspection for seals not meeting the requirements listed in §60.113b(b)(4)(i) and (ii). If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(b)(4)(iii). **(Ref.: 40 CFR 60.113b(b)(4))**

6. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(b)(6))**

7. The permittee shall submit a report within 60 days of performing seal gap measurements required by §60.113b(b)(1) for an initial fill. The report shall contain the date of measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(2))**

8. The permittee shall keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain the date of the measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(3))**

9. After each seal gap measurement that detects an exceedance of the limitations specified in §60.113b(b)(4), the permittee shall submit a report within 30 days of the inspection. The report will identify the vessel and contain the information specified in §60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. **(Ref.: 40 CFR 60.115b(b)(4))**

5.AS.153 Emission Point AS-153

1. For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. **(Ref.: 40 CFR 60.113b(a)(2))**

2. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification that the internal floating roof is not resting on the surface of the liquid, there is liquid accumulated on the roof, the seal is detached, or there are holes in the seal fabric. If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(a)(2). **(Ref.: 40 CFR 60.113b(a)(2))**

3. The permittee shall visually inspect the internal floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the internal-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(a)(4))**

4. The permittee shall conduct an empty-tank inspection at least once every 10 years. **(Ref.: 40 CFR 60.113b(a)(4))**

5. The permittee shall notify the MDEQ in writing at least 30 days prior to filling or refilling the storage vessel for which an inspection is required. If the filling or refilling of the storage vessel is unplanned, the permittee shall provide notification in accordance with the procedures in §60.113b(a)(5). **(Ref.: 40 CFR 60.113b(a)(5))**

6. The permittee shall keep a record of each inspection required by §60.113b (a)(2) and (a)(4). The record shall identify the storage vessel, the date the vessel was inspected, and the condition of the components inspected (seals, internal floating roof, and fittings). **(Ref.: 40 CFR 60.115b(a)(2))**

7. The permittee shall submit a report within 30-days of the annual inspection required by §60.113b(a)(2) if any of the conditions described in §60.113b(a)(2) are detected. The report shall identify the storage vessel, the nature of the defects, and the date the vessel was emptied or the nature and date of the repair. **(Ref.: 40 CFR 60.115b(a)(3))**

5.AS.163 Emission Point AS-163

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **(Ref.: 40 CFR 63.123(a))**

5.AS.175 Emission Point AS-175

1. For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. **(Ref.: 40 CFR 60.113b(a)(2))**

2. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification that the internal floating roof is not resting on the surface of the liquid, there is liquid accumulated on the roof, the seal is detached, or there are holes in the seal fabric. If a failure that is detected cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from MDEQ in the inspection report required by §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be empties as soon as possible. **(Ref.: 40 CFR 60.113b(a)(2))**

3. The permittee shall visually inspect the internal floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the internal-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(a)(4))**

4. The permittee shall conduct an empty-tank inspection at least once every 10 years. **(Ref.: 40 CFR 60.113b(a)(4))**

5. The permittee shall notify the MDEQ in writing at least 30 days prior to filling or refilling the storage vessel for which an inspection is required. If the filling or refilling of the storage vessel is unplanned, the permittee shall provide notification in accordance with the procedures in §60.113b(a)(5). **(Ref.: 40 CFR 60.113b(a)(5))**

6. The permittee shall keep a record of each inspection required by §60.113b(a)(2) and (a)(4). The record shall identify the storage vessel, the date the vessel was inspected, and the condition of the components inspected (seals, internal floating roof, and fittings). **(Ref.: 40 CFR 60.115b(a)(2))**

7. If any of the conditions described in §60.113b(a)(2) are detected during the annual visual inspection required by §60.113b(a)(2), a report shall be furnished to the MDEQ within 30 days of the inspection. The report shall identify the storage vessel, the nature of the defects, and the date the vessel was emptied or the nature of and date the repair was made. **(Ref.: 40 CFR 60.115b(a)(3))**

5.AS.204. Emission Point AS-204

1. The permittee will perform and record the results of daily system flow checks to determine if there has been tank movement and vapor space displacement. If flow is verified, the permittee will monitor and record the H_2S concentration from the Sulfatreat system using a portable H_2S gas monitor. This monitor is to be calibrated per the manufacturer's specifications and records shall be kept on site. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

2. The permittee shall initiate Sulfatreat material change-out when the portable monitor indicates the material is spent (H_2S concentration is greater than 12 ppm). For Sulfatreat systems that consist of primary and secondary control, the permittee shall swap the system to secondary control and the Sulfatreat material in the primary container shall be changed within 7 days of determining that the material was spent. Following change-out of the primary container material, the secondary container material is to be changed. For Sulfatreat systems with only primary control, Sulfatreat material change-out shall occur within 48 hours of determining the material was spent or prior to any tank movements that would cause system flow. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AS.311. Emission Point AS-311

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall during the hydrostatic testing of the tank or within 60 days of the initial-fill with VOL and at least once every 5 years, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall within 60 days of the initial fill with VOL and at least once every year, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

3. If the storage vessel ceases to store VOL for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals in accordance with the initial-fill requirements in §60.113b(b)(1)(i) and (ii). **(Ref.: 40 CFR 60.113b(b)(1)(iii))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §60.113b(b)(2) and (3). **(Ref.: 40 CFR 63.113b(b)(2) & (3))**

5. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification in any inspection for seals not meeting the requirements listed in §60.113b(b)(4)(i) and (ii). If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(b)(4)(iii). **(Ref.: 40 CFR 60.113b(b)(4))**

6. The permittee shall notify MDEQ 30 days in advance of any gap measurements required by §60.113b(b)(1) so that an observer may be afforded the opportunity to be present. **(Ref.: 40 CFR 60.113b(b)(5))**

7. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(b)(6))**

8. The permittee shall submit a report within 60 days of performing seal gap measurements required by §60.113b(b)(1) for an initial fill. The report shall contain the date of measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(2))**

9. The permittee shall keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain the date of the measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(3))**

10. After each seal gap measurement that detects an exceedance of the limitations specified in §60.113b(b)(4), the permittee shall submit a report within 30 days of the inspection. The report will identify the vessel and contain the information specified in §60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. **(Ref.: 40 CFR 60.115b(b)(4))**

5.AU. AU-000, Plant 36, Cooling Water System Emission Points

5.AU.361. Emission Point AU-361

1. The permittee shall perform monthly monitoring of the VOC content at each header to the cooling tower per an air stripping method meeting the requirements of the Texas Commission on Environmental Quality Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or an approved alternative. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. The permittee shall continuously monitor the total inlet water flow rate to the cooling tower in gallons per minute. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. Within 180 days after modification of the cooling tower, the permittee shall implement and submit a written plan for establishing the VOC concentration that indicates a leak, which shall be no greater than 84 ppbw, and for determining the location of the source(s) of the leak. The plan shall also specify a schedule for repairing the leak(s) at the earliest opportunity, but no later than the net scheduled shutdown of the process unit(s) in which the leak(s) occurs. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

4. The permittee shall record the monthly average VOC concentration and the total monthly cooling water flow, as well as the monthly VOC emission rate in lb/MM gal of circulated water and tons/year (12-month rolling total). The 12-month rolling total VOC emission rate for each month shall be calculated by summing the average VOC concentration measured for each month of the 12-month period multiplied by the total cooling water flow for that month. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5. The permittee shall report the 12-month rolling VOC emission rate in lb/MM gal of circulated water and tons/year for each month of the semiannual period. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AV. AV-000, Plant 37, Acid & Marketing Areas Emission Points

5.AV.1. Emission Point AV-001

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AV.6. Emission Point AV-006

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and compressors in ethanol service in Plant 37 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. Any component in Condition 5.AV.6.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit

shutdown, the repair may be delayed until a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AV.47. Emission Point AV-047

1. The permittee shall monitor the scrubber for caustic utilization and shall sample the caustic on a daily basis while the unit is in operation. Spent caustic shall be replaced in order to maintain a maximum caustic utilization of 85%. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AV.50 Emission Point AV-050

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall at least once every 5 years beginning with the hydrostatic testing or the compliance date specified in §63.640(h), whichever is later. **(Ref.: 40 CFR 63.120(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall at least once every year beginning with the compliance date specified in §63.640(h). **(Ref.: 40 CFR 63.120(b)(1)(iii))**

3. If the storage vessel ceases to store organic HAP or is not a Group 1 storage vessel under §63.641 for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals within 90 calendar days of the vessel being refilled. **(Ref.: 40 CFR 63.120(b)(1)(iv))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §63.120(b)(2), (3), and (4). **(Ref.: 40 CFR 63.120(b)(2), (3), & (4))**

5. The primary seal, if a metallic shoe seal, shall extend into the stored liquid on one end and extend 61 centimeters above the surface of the stored liquid on the other end. Also there shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. **(Ref.: 40 CFR 63.120(b)(5))**

6. The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except for the allowed gap space. Also, there shall be no holes, tears, or other openings in the seal or seal fabric. **(Ref.: 40 CFR 63.120(b)(6))**

7. If the tank roof is determined to be unsafe to perform the required inspections, the permittee shall comply with the provisions in §63.120(b)(7). **(Ref.: 40 CFR 63.120(b)(7))**

8. The permittee shall repair failures, as defined in §63.120(b)(8), no later than 45-calendar days following identification. If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §63.120(b)(8). **(Ref.: 40 CFR 63.120(b)(8))**

9. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 63.120(b)(9))**

10. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 63.120(b)(10))**

11. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **(Ref.: 40 CFR 63.123(a))**

12. The permittee shall keep records describing the results of the seal gap measurements made in accordance with §63.120(b). The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations performed. **(Ref.: 40 CFR 63.123(d))**

13. The permittee shall submit, within 60 days of the end of each 6-month period, a periodic report of the results of each seal gap measurement that does not satisfy the seal and seal gap requirements in §63.120(b). The report shall include the date of the seal gap measurement, the raw data and calculations made, a description of the seal condition that is not met, and the nature and date of repair. **(Ref.: 40 CFR 63.654(g)(3))**

14. The permittee shall retain for 5-years all information reported under paragraphs §63.654(a) through §63.654(h). **(Ref.: 40 CFR 63.654(i)(4))**

5.AV.51. Emission Point AV-051

1. The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented. **(Ref.: 40 CFR 63.646(b)(1))**

2. For a storage vessel determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. **(Ref.: 40 CFR 63.654(i)(1)(iv))**

5.AV.80 Emission Point AV-080

1. For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. **(Ref.: 40 CFR 60.113b(a)(2))**

2. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification that the internal floating roof is not resting on the surface of the liquid, there is liquid accumulated on the roof, the seal is detached, or there are holes in the seal fabric. If a failure that is detected cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from MDEQ in the inspection report required by §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be empties as soon as possible. **(Ref.: 40 CFR 60.113b(a)(2))**

3. The permittee shall visually inspect the internal floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the internal-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(a)(4))**

4. The permittee shall conduct an empty-tank inspection at least once every 10 years. **(Ref.: 40 CFR 60.113b(a)(4))**

5. The permittee shall notify the MDEQ in writing at least 30 days prior to filling or refilling the storage vessel for which an inspection is required. If the filling or refilling of the storage vessel is unplanned, the permittee shall provide notification in accordance with the procedures in §60.113b(a)(5). **(Ref.: 40 CFR 60.113b(a)(5))**

6. The permittee shall keep a record of each inspection required by §60.113b (a)(2) and (a)(4). The record shall identify the storage vessel, the date the vessel was inspected, and the condition of the components inspected (seals, internal floating roof, and fittings). **(Ref.: 40 CFR 60.115b(a)(2))**

7. If any of the conditions described in §60.113b(a)(2) are detected during the annual visual inspection required by §60.113b(a)(2), a report shall be furnished to the MDEQ within 30 days of the inspection. The report shall identify the storage vessel, the nature of the defects, and the date the vessel was emptied or the nature of and date the repair was made. **(Ref.: 40 CFR 60.115b(a)(3))**

5.AV.122 Emission Point AV-122

1. The permittee shall, for a Group 2 transfer rack, record, update annually, and maintain the following information: An analysis demonstrating the design and actual annual throughput of the transfer rack; An analysis documenting the weight-percent organic HAP's in the liquid loaded; Documentation of the organic HAP's (by compound) that are transferred. **(Ref.: 40 CFR 63.130(f))**

5.AV.3702 Emission Point AV-3702

5. The permittee shall either prepare a design evaluation, which includes the information specified in paragraph (d)(1)(i) of this section, or submit the results of a performance test as described in paragraph (d)(1)(ii) of this section. For carbon adsorbers, the design evaluation shall include the affinity of the organic HAP vapors for carbon, the amount of carbon in each bed, the number of beds, the humidity of the feed gases, the temperature of the feed gases, the flow rate of the organic HAP emission stream, the desorption schedule, the regeneration stream pressure or temperature, and the flow rate of the regeneration stream. For vacuum desorption, pressure drop shall be included. **(Ref,: 40 CFR 63.120(d)(1)(i)(D))**

6. The permittee shall demonstrate compliance with the requirements of § 63.119(e)(3) of this subpart (planned routine maintenance of a control device, during which the control device does not meet the specifications of § 63.119 (e)(1) or (e)(2) of this subpart, as applicable, shall not exceed 240 hours per year) by including in each Periodic Report required by § 63.152(c) of this subpart the information specified in § 63.122(g)(1) of this subpart **(Ref 40 CFR 63.120(d)(4))**

7. The permittee shall monitor the parameters specified in the Notification of Compliance Status required in § 63.152(b) of this subpart or in the operating permit and shall operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. **(Ref 40 CFR 63.120(d)(5))**

8. The permittee shall inspect each closed vent system as specified in § 63.148. The initial and annual inspections required by § 63.148(b) shall be done during filling of the storage vessel. **(Ref 40 CFR 63.120(d)(6))**

9. The permittee shall for each Group 1 or Group 2 storage vessel keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept as long as the storage vessel retains Group 1 or Group 2 status and is in operation**. (Ref 40 CFR 63.123(a))**

10. The permittee who elects to comply with § 63.119(e) of this subpart shall keep in a readily accessible location the records of the measured values of the parameters monitored in accordance with § 63.120(d)(5) and a record of the planned routine maintenance performed on the control device including the duration of each time the control device does not meet the specifications of § 63.119 (e)(1) or (e)(2) due

to the planned routine maintenance. Such a record shall include the first time of day and date the requirements of § 63.119 (e)(1) or (e)(2) were not met at the beginning of the planned routine maintenance, and first time of day and date the requirements of § 63.119 (e)(1) or (e)(2) applicable, were met at the conclusion of the planned routine maintenance. **(Ref 40 CFR 63.123(f))**

11. The permittee shall submit, as part of the next Periodic Report, the information specified in paragraphs (g)(5)(i) through (g)(5)(iii). The Periodic Report shall include the information specified in paragraphs (g)(5)(i)(A) and (g)(5)(i)(B) for those planned routine maintenance operations that would require the control device not to meet the requirements of § 63.119(e)(1) or (e)(2), as applicable. If a control device other than a flare is used, the Periodic Report shall describe each occurrence when the monitored parameters were outside of the parameter ranges documented in the Notification of Compliance Status report. The description shall include: Identification of the control device for which the measured parameters were outside of the established ranges, and causes for the measured parameters to be outside of the established ranges. **(Ref 40 CFR 63.655(g)(5)**

12. The permittee shall retained for 5 years all other information required to be reported under paragraphs 40 CFR 63.655(a) through (h). **(Ref 40 CFR 63.655(i)(5))**

5.AW. AW-000, Plant 38, Flares and Relief System

Due to the design of the flare system and its ability to receive multiple emission streams with possibly different but similar regulatory requirements, the MDEQ is streamlining these requirements such that all flares are to be regulated in accordance with NESHAP General Provisions, Subpart A, 40 CFR Part 63.11(b) for flares. Also, where federal standards place additional requirements on flares, the requirements will be evaluated for stringency compared to what is required by §63.11(b). Requirements that are deemed necessary will be included for all flares in the system, unless specified herein, and will be referenced to the referring part to show its federal basis.

5.AW.381 Emission Point AW-381

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall record the date, start time, and duration of any flaring event. For each flaring event, the source of the gases flared and the cause (if known) shall be recorded. **(Ref.: Permit to Construct issued May 20, 2009)**

4. The permittee shall report as a deviation to the permit requirements any flaring of gases, other than process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunction. The deviation shall be reported within five (5) working days of such deviation. The report shall also include the cause of the deviation and any corrective action or preventative measures taken. A copy of the report shall be maintained on-site for a period of five (5) years. **(Ref.: Permit to Construct issued May 20, 2009)**

5. The permittee shall install a device capable of continuously detecting the presence of a pilot flame. The device shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately. **(Ref.: 40 CFR 63.11(b)(5); 40 CFR Part 63)**

6. The permittee shall maintain hourly records of whether the monitor was continuously operating and whether a pilot flame was continuously present during each hour. The permittee shall also record the times and durations of all periods when all pilot flames are absent. **(Ref.: 40 CFR Part 63)**

7. The permittee shall submit semiannually a report of all times and durations that all pilot flames were absent. The report shall contain the date and time, the duration, and the specific reason for the flame outage. **(Ref.: 40 CFR Part 63)**

8. The permittee shall operate the flares in a manner such that there are no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

9. The permittee shall, for any bypass line of a process vent, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR Part 63)**

10. The permittee shall record that the monthly visual inspection of the bypass line seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the bypass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has been broken. **(Ref.: 40 CFR Part 63)**

11. The permittee shall submit semiannually a report of all periods for which a monthly inspection of the bypass line seal mechanism identified that the seal mechanism was broken, valve position changed, or the key to unlock the bypass line valve was checked out. The report shall be in accordance with the requirements of §63.152(c), as applicable. **(Ref.: 40 CFR 63.118(f)(4); 40 CFR 63.152(c))**

12. The permittee shall submit SSM reports as required by §63.10(d)(5) (See AC-001). For the purpose of this requirement, startup and shutdown shall have the meaning in §63.641 and malfunction shall have the meaning in §63.2. **(Ref.: 40 CFR Part 63)**

5.AW.383 Emission Point AW-383

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall record the date, start time, and duration of any flaring event. For each flaring event, the source of the gases flared and the cause (if known) shall be recorded. **(Ref.: Permit to Construct issued May 20, 2009)**

4. The permittee shall report as a deviation to the permit requirements any flaring of gases, other than process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunction. The deviation shall be reported within five (5) working days of such deviation. The report shall also include the cause of the deviation and any corrective action or preventative measures taken. A copy of the report shall be maintained on-site for a period of five (5) years. **(Ref.: Permit to Construct issued May 20, 2009)**

5. The permittee shall install a device capable of continuously detecting the presence of a pilot flame. The device shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately. **(Ref.: 40 CFR 63.11(b)(5); 40 CFR Part 63)**

6. The permittee shall maintain hourly records of whether the monitor was continuously operating and whether a pilot flame was continuously present during each hour. The permittee shall also record the times and durations of all periods when all pilot flames are absent. **(Ref.: 40 CFR Part 63)**

7. The permittee shall submit semiannually a report of all times and durations that all pilot flames were absent. The report shall contain the date and time, the duration, and the specific reason for the flame outage. **(Ref.: 40 CFR Part 63)**

8. The permittee shall operate the flares in a manner such that there are no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

9. The permittee shall, for any bypass line of a process vent, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR Part 63)**

10. The permittee shall record that the monthly visual inspection of the bypass line seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the bypass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has been broken. **(Ref.: 40 CFR Part 63)**

11. The permittee shall submit semiannually a report of all periods for which a monthly inspection of the bypass line seal mechanism identified that the seal mechanism was broken, valve position changed, or the key to unlock the bypass line valve was checked out. The report shall be in accordance with the requirements of §63.152(c), as applicable. **(Ref.: 40 CFR 63.118(f)(4); 40 CFR 63.152(c))**

12. The permittee shall submit SSM reports as required by §63.10(d)(5) (See AC-001). For the purpose of this requirement, startup and shutdown shall have the meaning in §63.641 and malfunction shall have the meaning in §63.2. **(Ref.: 40 CFR Part 63)**

5.AW.591. Emission Point AW-591

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall record the date, start time, and duration of any flaring event. For each flaring event, the source of the gases flared and the cause (if known) shall be recorded. **(Ref.: Permit to Construct issued September 4, 2008)**

4. The permittee shall report as a deviation to the permit requirements any flaring of gases, other than process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunction. The deviation shall be reported within five (5) working days of such deviation. The report shall also include the cause of the deviation and any corrective action or preventative measures taken. A copy of the report shall be maintained on-site for a period of five (5) years. **(Ref.: Permit to Construct issued September 4, 2008)**

5. The permittee shall install a device capable of continuously detecting the presence of a pilot flame. The device shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately. **(Ref.: 40 CFR 63.11(b)(5); 40 CFR Part 63)**

6. The permittee shall maintain hourly records of whether the monitor was continuously operating and whether a pilot flame was continuously present during each hour. The permittee shall also record the times and durations of all periods when all pilot flames are absent. **(Ref.: 40 CFR Part 63)**

7. The permittee shall submit semiannually a report of all times and durations that all pilot flames were absent. The report shall contain the date and time, the duration, and the specific reason for the flame outage. **(Ref.: 40 CFR Part 63)**

8. The permittee shall operate the flares in a manner such that there are no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

9. The permittee shall, for any bypass line of a process vent, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR Part 63)**

10. The permittee shall record that the monthly visual inspection of the bypass line seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the bypass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has been broken. **(Ref.: 40 CFR Part 63)**

11. The permittee shall submit semiannually a report of all periods for which a monthly inspection of the bypass line seal mechanism identified that the seal mechanism was broken, valve position changed, or the key to unlock the bypass line valve was checked out. The report shall be in accordance with the requirements of §63.152(c), as applicable. **(Ref.: 40 CFR 63.118(f)(4); 40 CFR 63.152(c))**

12. The permittee shall submit SSM reports as required by §63.10(d)(5) (See AC-001). For the purpose of this requirement, startup and shutdown shall have the meaning in §63.641 and malfunction shall have the meaning in §63.2. **(Ref.: 40 CFR Part 63)**

5.AW.757. Emission Point AW-757

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall install a device capable of continuously detecting the presence of a pilot flame. The device shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately. **(Ref.: 40 CFR 63.11(b)(5); 40 CFR Part 63)**

4. The permittee shall maintain hourly records of whether the monitor was continuously operating and whether a pilot flame was continuously present during each hour. The permittee shall also record the times and durations of all periods when all pilot flames are absent. **(Ref.: 40 CFR Part 63)**

5. The permittee shall submit semiannually a report of all times and durations that all pilot flames were absent. The report shall contain the date and time, the duration, and the specific reason for the flame outage. **(Ref.: 40 CFR Part 63)**

6. The permittee shall operate the flares in a manner such that there are no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. **(Ref.: 40 CFR 63.11(b)(4))**

7. The permittee shall, for any bypass line of a process vent, secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the non-diverting position and the gas stream is not diverted through the bypass line. **(Ref.: 40 CFR Part 63)**

8. The permittee shall record that the monthly visual inspection of the bypass line seals or closure mechanism has been done, and shall record the duration of all periods when the seal mechanism is broken, the bypass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has been broken. **(Ref.: 40 CFR Part 63)**

9. The permittee shall submit semiannually a report of all periods for which a monthly inspection of the bypass line seal mechanism identified that the seal mechanism was broken, valve position changed, or the key to unlock the bypass line valve was checked out. The report shall be in accordance with the requirements of §63.152(c), as applicable. **(Ref.: 40 CFR 63.118(f)(4); 40 CFR 63.152(c))**

10. The permittee shall submit SSM reports as required by §63.10(d)(5) (See AC-001). For the purpose of this requirement, startup and shutdown shall have the meaning in §63.641 and malfunction shall have the meaning in §63.2. **(Ref.: 40 CFR Part 63)**

5.AX. AX-000, Plant 40, Light Ends Recovery (LER) II

5.AX.82 Emission Point AX-082

1. Any boiler or process heater in which all vent streams are introduced into the flame zone is exempt from monitoring. **(Ref.: 40 CFR 63.644(a)(3))**

5.AZ. AZ-000, Plant 45, Shipping Emission Points

5.AZ.0. Emission Point AZ-000

1. For Gasoline Loading Operations, including loading via pipeline, marine vessels, railcar, and truck, the permittee shall record the amount loaded and calculate the emissions of VOC each month. The permittee shall calculate and maintain a record of the annual VOC emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after startup of the CCR Unit. **(Ref.: 40 CFR 52.21(r)(6)(iii))**

2. The permittee shall submit a report to the DEQ if the annual emissions, in tons per year, from the projects covered by the PRIP PSD Permit, exceed the baseline actual emissions (as documented in the project application), by a significant amount for any regulation NSR pollutant, and if such emissions differ from the preconstruction projection as documented and maintained in the PRIP Project application. Such report shall be submitted to the DEQ within 60 days after the end of such year. The report shall contain the following:

   (a) The name, address, and telephone number of the major stationary source;

(b) The annual emissions as calculated pursuant to §52.21(r)(6)(iii); and

(c) Any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).

(Ref.: 40 CFR 52.21(r)(6)(v))

3. The permittee shall make the information required to be documented and maintained pursuant to §52.21(r)(6) available for review upon a request for inspection by DEQ or the general public pursuant to the requirements contained in §70.4(b)(3)(viii) of this chapter. **(Ref.: 40 CFR 52.21(r)(7))**

5.AZ.1. Emission Point AZ-001

1. The permittee shall submit with the initial performance test, and maintain in an accessible location on site, an engineering report describing in detail the vent system, or vapor collection system, used to vent each vent stream to a control device. This report shall include all valves and vent pipes that could vent the stream to the atmosphere, thereby bypassing the control device, and identify which valves are car-sealed opened and which valves are car-sealed closed. **(Ref.: 40 CFR 63.567(f))**

2. The permittee shall monitor each valve in the terminal's vapor collection system that would allow vapors to be routed to the atmosphere to ensure that they are secured closed during vessel loading operations either by a car-seal, a lock and key configuration, or the by-pass line shall be equipped with a flow indicator. Exceptions include valves used for pressure/vacuum relief, analyzers, instrumentation devices, sampling, and venting for maintenance. Marine tank vessel loading shall not be performed with open by-pass lines. **(Ref.: 40 CFR 63.563(a)(1))**

3. The permittee shall perform marine tank vessel loading operations only if the marine tank vessel's vapor collection system is compatible to the terminal's vapor collection system. Marine tank vessel loading shall only occur when the vessel's collection system is connected to the terminal's collection system as required by §63.562(b)(1) and (c)(2). **(Ref.: 40 CFR 63.563(a)(2))**

4. The permittee shall use the procedures in §63.563(a)(4)(i) thru (iv) to ensure that marine tank vessels are vapor tight as required in §63.562(b)(1) and (c)(2). **(Ref.: 40 CFR 63.563(a)(4))**

5. The permittee shall keep the vapor-tightness documentation required under §63.563(a)(4) on file at the source in a permanent form available for inspection. **(Ref.: 40 CFR 63.567(h))**

6. The permittee shall maintain a documentation file for each marine tank vessel loaded at the facility to reflect the current test results as determined by the appropriate method in §63.565(c)(1) and (2). Updates to this file shall be made at least once per year. The permittee shall include, as a minimum, the information contained in §63.567(i)(1) thru (10). **(Ref.: 40 CFR 63.567(i))**

7. The permittee shall establish as an operating parameter the baseline liquid flow to vapor flow (L/V) ratio using the procedures described §63.565(k). Following the date on which the initial performance test is completed, the facility shall operate with a block average L/V ratio as determined in §63.564(i)(2), no more than 20 percent below the baseline L/V ratio. **(Ref.: 40 CFR 63.563(a)(8)(ii))**

8. The permittee shall monitor and record the inlet liquid flowrate and the inlet gas flowrate to the absorber and record the calculated L/V ratio. The permittee shall install, calibrate, maintain, and operate liquid and gas flow indicators. For sources monitoring the L/V ratio established during the performance test, a data acquisition system shall record the flowrates and calculated ratio every 15 minutes and shall compute and record an average ratio each cycle (same time period or cycle as the performance test) and a 3-hour cycle block average ratio every third cycle. For sources monitoring the manufacturer recommended L/V ratio, a data acquisition system shall record every 15 minutes and shall compute and record an average ratio each hour and a 3-hour average ratio every third hour. The liquid and gas flow indicators shall be installed immediately upstream of the respective inlet lines to the absorber. **(Ref.: 40 CFR 63.564(i)(2))**

9. The permittee shall submit an excess emissions and continuous monitoring system performance report and/or a summary report once each year, except when the source experiences excess emissions, the source shall comply with a semi-annual reporting format until a request to reduce reporting frequency under §63.567(e)(2) is approved. Excess emissions and parameter monitoring exceedances are defined in §63.563(b). **(Ref.: 40 CFR 63.567(e))**

10. The permittee shall use the emission estimation procedures in §63.565(l) to calculate HAP emissions. **(Ref.: 40 CFR 63.563(a)(10))**

11. The permittee shall maintain records of all measurements, calculations, and other documentation used to identify commodities exempted under §63.560(d). **(Ref.: 40 CFR 63.567(j)(1))**

12. The permittee shall keep readily accessible records of the emission estimation calculations performed in §63.565(l) for 5 years. **(Ref.: 40 CFR 63.567(j)(2))**

13. The permittee shall submit an annual report of the source's HAP control efficiency calculated using the procedures specified in §63.565(l), based on the source's actual throughput. **(Ref.: 40 CFR 63.567(j)(3))**

14. The permittee shall, for marine tank vessel loading operations specified in §63.560(a)(3), retain records of the emissions estimates determined in §63.565(l) and records of their actual throughputs by commodity, for 5 years. **(Ref.: 40 CFR 63.567(j)(4))**

15. The permittee shall inspect and monitor all ductwork and piping and connections to vapor collection systems and control devices once each calendar year using Method 21. **(Ref.: 40 CFR 63.563(c)(1))**

16. The permittee shall, for any evidence of a potential leak found by visual, audible, olfactory, or any other detection method, inspect all ductwork and piping and connections to vapor collection systems and control devices to the extent necessary to positively identify the potential leak. Any potential leaks shall be monitored within 5 days by Method 21. Each detection of a leak shall be recorded and tagged until repaired. **(Ref.: 40 CFR 63.563(c)(2))**

17. The permittee shall make a first effort at repair of a detected leak to the vapor collection system or control device within 15 days or prior to the next marine tank vessel loading operation, whichever is later. **(Ref.: 40 CFR 63.563(c)(3))**

18. The permittee shall record and maintain for 5 years the information required in §63.567(k)(1) thru (5) when each leak of the vapor collection system or control device is detected and repaired as specified in §63.563(c). **(Ref.: 40 CFR 63.567(k))**

19. The permittee shall monitor and report the emissions from the loading berth during the maintenance allowance in accordance with the requirements submitted to and approved by MDEQ. **(Ref.: 40 CFR 63.562(b)(6), (c)(6), and MDEQ letter dated October 29, 1999)**

20. The permittee who wishes to demonstrate compliance with the standards specified in §61.302(b) using control devices other than an incinerator, steam generating unit, process heater, carbon adsorber, or flare shall provide MDEQ with information describing the operation of the control device (Lean Oil Absorber) and the process parameter(s) that would indicate proper operation and maintenance of the device (See Conditions 5.AZ.1.7 and 5.AZ.1.8). **(Ref.: 40 CFR 61.303(e))**

5.AZ.3. Emission Point AZ-003

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.AZ.11. Emission Point AZ-011

1. The permittee shall take measurements of the gaps between the vessel wall and the external floating roof secondary seal at least once every 12 months after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(b)(1)(iii))**

2. The permittee shall take measurements of the gaps between the vessel wall and the external floating roof primary seal at least once every 5 years after the compliance date specified in §63.100 (April 22, 1997). **(Ref.: 40 CFR 63.120(b)(1)(i)).**

3. If during inspections required by §63.120(b)(1)(iii), the external floating roof is not resting on the surface of the liquid and is not resting on the leg supports, there is liquid on the floating roof, the seal is detached, there are holes or tears in the seal fabric, or there are highly visible gaps between the seal and the wall of the storage vessel, the permittee shall repair the items or empty and remove the storage vessel from service within 45 calendar days. If a failure detected during the inspection cannot be repaired or the tank cannot be emptied within the 45 calendar days, the permittee may utilize up to 2 extensions of up to 30 days each. Documentation of a decision to utilize an extension shall include a description of the failure, shall document that alternate storage was unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as practical. **(Ref.: 40 CFR 63.120(b)(8))**

4. For inspections required by §63.120(b)(1, the permittee shall notify the MDEQ in writing at least 30 days prior to the refilling of each storage vessel to afford the MDEQ to have an observer present. If the inspection is not planned and the permittee could not have known about the inspection 30 calendar days in advance of refilling the vessel, the permittee shall notify the MDEQ at least 7 calendar days prior to refilling. Notification by telephone may be made, followed immediately by written documentation as to why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the MDEQ at least 7 calendar days prior to refilling. **(Ref.: 40 CFR 63.120(b)(10)(ii) & (iii); 40 CFR 63.122(h)(1)(i))**

5. If during the inspections required by §63.120(b)(10), the external floating roof has defects; or 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 surface from the atmosphere; or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions exist before refilling the storage vessel. **(Ref.: 40 CFR 63.120(b)(10)(i))**

6. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be retained as long as the storage vessel retains the Group 1 status and is in operation. **(Ref.: 40 CFR 63.123(a))**

7. The permittee shall keep a record that each inspection required by §63.120(a) was performed. **(Ref.: 40 CFR 63.123(c))**

8. The permittee who elects to utilize an extension in emptying a storage vessel in accordance with §63.120(a)(4) shall keep in a readily accessible location the required documentation. **(Ref.: 40 CFR 63.123(g))**

9. The permittee shall submit Periodic Reports semiannually no later than 60 calendar days after the end of each 6-month period beginning on the date the Notification of Compliance Status is due in accordance with §63.152(b). The Periodic Report shall include the following information, more specifically stated in §63.122. For the required Periodic Report, the permittee shall submit the results of each inspection conducted in accordance with §63.120(a) in which a failure is detected in the control equipment. For annual inspections required under §63.120(b)(1), a failure is defined as any time in which the external floating roof is not resting on the surface of the liquid and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached from the external floating roof; or there are holes, tears, or other openings in the seal or seal fabric; or there are visible gaps between the seal and the wall of the storage vessel. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and the nature of and date the repair was made or the vessel was emptied. If an extension is utilized in accordance with §63.120(a)(4), the permittee shall, in the next Periodic Report, identify the vessel; include the documentation specified in §63.120(a)(4); and describe the date the storage vessel was emptied and the nature of and date the repair was made. For inspections required under §63.120(a)(3)(iii), a failure is defined as any time in which the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, the gaskets no longer close off the liquid surface from the atmosphere, or the slotted membrane has more than 10 percent open area. Each Periodic Report shall include the date of the inspection, identification of each storage vessel in which a failure was detected, a description of the failure, and a description of the nature of and date the repair was made. **((Ref.: 40 CFR 63.152(c), 40 CFR 63.122(d))**

10. The permittee shall, for storage tanks complying with the work practice standards in 40 CFR Part 63, Subpart WW, conduct the initial compliance demonstration the next time the storage tank is emptied or degassed but no later than February 14, 2014. The initial compliance demonstration shall be done in accordance with the procedures in §63.1063(d)(1). **(Ref.: 40 CFR 63.2358(c)(1)(i) & Table 4; 40 CFR 63.1063(d)(1))**

11. The permittee shall demonstrate continuous compliance by visually inspecting, the secondary seal annually, and the primary seal at least every 5 years, in accordance with the procedures in §63.1063(d)(3). **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(c)(2)(ii), (d)(1),(3))**

12. The permittee shall demonstrate continuous compliance by visually inspecting, for each emptying and degassing or every 10 years whichever occurs first, the external floating roof deck, deck fittings, and rim seals in accordance with the procedures in §63.1063(d)(1). **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(c)(2)(iii), (d)(1))**

13. The permittee shall conduct repairs in accordance with the following requirements for conditions causing an inspection failure as identified in §63.1063(d): If the inspection is performed while the storage vessel is not storing liquid, repairs shall be completed before the refilling of the storage vessel with liquid; If the inspection is performed while the storage vessel is storing liquid, repairs shall be completed or the vessel removed from service within 45 days. If a repair cannot be completed and the vessel cannot be emptied within 45 days, the permittee may use up to 2 extensions of up to 30 additional days each. Documentation of a decision to use an extension shall include a description of the failure, that alternate storage is unavailable, and a schedule of actions to repair the control equipment or to empty the vessel as soon as practical. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(e))**

14. The permittee shall keep records of the vessel dimensions, an analysis of the capacity of the vessel, and a record of the liquid stored. The records shall be kept as long as liquid is stored. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(a))**

15. The permittee shall keep records of the following floating roof inspection information in accordance with the requirements in §63.1065: For passed inspections – identification of the storage vessel and the date of the inspection; For failed inspections also include – a description of the failure, a description of the repairs and the dates made, and the date the vessel was removed from service, if applicable. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(b)(1))**

16. The permittee shall keep a record of the date when a floating roof is set on its leg supports or other support device. The permittee shall also keep a record of the date when the roof was re-floated, and the record should indicate if the process of re-floating was continuous. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(c))**

17. The permittee shall keep records each time an extension is used in accordance with §63.1063(e)(2). The record shall consist of the information required in the extension request. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(d))**

18. The permittee shall submit, semiannually in accordance with Condition 5.A.4 of this Permit as allowed by §63.2386(b)(3), a compliance report containing the information required in §63.2386 and Table 11, as applicable. The first compliance report shall be submitted following the first compliance period after the compliance date specified in §63.2342(b)(2). **(Ref.: 40 CFR 63.2386 & Table 11)**

5.AZ.12. Emission Point AZ-012

1. The permittee shall, for storage tanks complying with the work practice standards in 40 CFR Part 63, Subpart WW, conduct the initial compliance demonstration the next time the storage tank is emptied or degassed but no later than February 14, 2014. The initial compliance demonstration shall be done in accordance with the procedures in §63.1063(d)(1). **(Ref.: 40 CFR 63.2358(c)(1)(i) & Table 4; 40 CFR 63.1063(d)(1))**

2. The permittee shall demonstrate continuous compliance by visually inspecting, annually, the internal floating roof deck, deck fittings, and rim seals in accordance with the procedures in §63.1063(d)(2). **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR .631063(c)(1)(i)(A), (d)(2))**

3. The permittee shall demonstrate continuous compliance by visually inspecting, for each emptying and degassing or every 10 years whichever occurs first, the internal floating roof deck, deck fittings, and rim seals in accordance with the procedures in §63.1063(d)(1). **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(c)(1)(i)(B), (d)(1))**

4. The permittee shall conduct repairs in accordance with the following requirements for conditions causing an inspection failure as identified in §63.1063(d): If the inspection is performed while the storage vessel is not storing liquid, repairs shall be completed before the refilling of the storage vessel with liquid; If the inspection is performed while the storage vessel is storing liquid, repairs shall be completed or the vessel removed from service within 45 days. If a repair cannot be completed and the vessel cannot be emptied within 45 days, the permittee may use up to 2 extensions of up to 30 additional days each. Documentation of a decision to use an extension shall include a description of the failure, that alternate storage is unavailable, and a schedule of actions to repair the control equipment or to empty the vessel as soon as practical. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(e))**

5. The permittee shall keep records of the vessel dimensions, an analysis of the capacity of the vessel, and a record of the liquid stored. The records shall be kept as long as liquid is stored. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(a))**

6. The permittee shall keep records of the following floating roof inspection information in accordance with the requirements in §63.1065: For passed inspections – identification of the storage vessel and the date of the inspection; For failed inspections also include – a description of the failure, a description of the repairs and the dates made, and the date the vessel was removed from service, if applicable. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(b)(1))**

7. The permittee shall keep a record of the date when a floating roof is set on its leg supports or other support device. The permittee shall also keep a record of the date when the roof was re-floated, and the record should indicate if the process of re-floating was continuous. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1065(c))**

8. The permittee shall keep records each time an extension is used in accordance with §63.1063(e)(2). The record shall consist of the information required in the extension request. **(Ref.: 40 CFR 63.2378(a) & Table 10; 40 CFR 63.1063(d))**

9. *[Reserved]*

10. The permittee shall submit, semiannually in accordance with Condition 5.A.4 of this Permit as allowed by §63.2386(b)(3), a compliance report containing the information required in §63.2386 and Table 11, as applicable. The first compliance report shall be submitted following the first compliance period after the compliance date specified in §63.2342(b)(2). **(Ref.: 40 CFR 63.2386 & Table 11)**

5.AZ.14. Emission Point AZ-014

1. The permittee shall monitor and record the afterburner temperature, at a minimum, once per calendar day. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AZ.20. Emission Point AZ-020

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and compressors in ethanol service in Plant 45 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. Any component in Condition 5.AZ.20.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed unti a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.AZ.21. Emission Point AZ-021

1. The permittee shall comply with the leak detect components defined in §63.2406 that operates in organic liquid service at least 300 hours per year by carrying out a leak detect and repair program in accordance with the subpart selected (40 CFR Part 63, Subpart H). (**Ref.: 40 CFR 63.2378(a) & Table 10**)

5.AZ.47. Emission Point AZ-047

1. The permittee shall monitor the scrubber for caustic utilization and shall sample the caustic prior to each loading of spent acid. Spent caustic shall be replaced when the spent caustic reaches 80% prior to the next loading. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.AZ.206. Emission Point AZ-206

1. The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented. **(Ref.: 40 CFR 63.646(b)(1))**

2. For a storage vessel determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. **(Ref.: 40 CFR 63.654(i)(1)(iv))**

5.AZ.208. Emission Point AZ-208

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall at least once every 5 years beginning with the hydrostatic testing or the compliance date specified in §63.640(h), whichever is later. **(Ref.: 40 CFR 63.120(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall at least once every year beginning with the compliance date specified in §63.640(h). **(Ref.: 40 CFR 63.120(b)(1)(iii))**

3. If the storage vessel ceases to store organic HAP or is not a Group 1 storage vessel under §63.641 for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals within 90 calendar days of the vessel being refilled. **(Ref.: 40 CFR 63.120(b)(1)(iv))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §63.120(b)(2), (3), and (4). **(Ref.: 40 CFR 63.120(b)(2), (3), & (4))**

5. The primary seal, if a metallic shoe seal, shall extend into the stored liquid on one end and extend 61 centimeters above the surface of the stored liquid on the other end. Also there shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. **(Ref.: 40 CFR 63.120(b)(5))**

6. The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except for the allowed gap space. Also, there shall be no holes, tears, or other openings in the seal or seal fabric. **(Ref.: 40 CFR 63.120(b)(6))**

7. If the tank roof is determined to be unsafe to perform the required inspections, the permittee shall comply with the provisions in §63.120(b)(7). **(Ref.: 40 CFR 63.120(b)(7))**

8. The permittee shall repair failures, as defined in §63.120(b)(8), no later than 45-calendar days following identification. If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §63.120(b)(8). **(Ref.: 40 CFR 63.120(b)(8))**

9. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 63.120(b)(9))**

10. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 63.120(b)(10))**

11. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **(Ref.: 40 CFR 63.123(a))**

12. The permittee shall keep records describing the results of the seal gap measurements made in accordance with §63.120(b). The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations performed. **(Ref.: 40 CFR 63.123(d))**

13. The permittee shall submit, within 60 days of the end of each 6-month period, a periodic report of the results of each seal gap measurement that does not satisfy the seal and seal gap requirements in §63.120(b). The report shall include the date of the seal gap measurement, the raw data and calculations made, a description of the seal condition that is not met, and the nature and date of repair. **(Ref.: 40 CFR 63.654(g)(3))**

14. The permittee shall retain for 5-years all information reported under paragraphs §63.654(a) through §63.654(h). **(Ref.: 40 CFR 63.654(i)(4))**

5.AZ.423 Emission Point AZ-423

1. The permittee shall, for a storage vessel with an external-floating roof, determine the gap measurements for the primary and secondary seals. The gap measurements shall be done within 60 days of the initial fill with petroleum liquid and shall be done in accordance with the procedures in §60.113a(a)(1)(ii) and (iii). It is considered an initial fill if the storage vessel has been out of service for a period of one year or greater and is refilled with petroleum liquid. For primary seals, gap measurements shall be performed at least once every five years following the initial fill. All primary seal measurements which require the removal or dislodging of the secondary seal shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible. For secondary seals, gap measurements shall be performed at least once a year following the initial fill. **(Ref.: 40 CFR 60.113a(a)(1))**

2. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 60.113a(a)(1)(iv))**

3. The permittee shall maintain gap measurement records for a period of two years following the date of gap measurement. The records shall consist of the vessel identity, the date of gap measurement, and the data obtained from the measurement procedures in §60.113a(a)(1)(ii) and (iii). **(Ref.: 40 CFR 60.113a(a)(1)(i)(D))**

4. If either the seal gap calculated in accord with §60.113a(a)(1)(iii) or the measured maximum seal gap exceeds the limitations specified by §60.112(a), a report shall be furnished within 60 days of the date of measurement. The report shall identify the vessel and list each reason why the vessel did not meet the requirements. The report shall also describe the actions necessary to bring the storage vessel into compliance with the requirements. **(Ref.: 40 CFR 60.113a(a)(1)(i)(E))**

5. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall during the hydrostatic testing of the tank or within 60 days of the initial-fill with VOL and at least once every 5 years, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(i))**

6. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall within 60 days of the initial fill with VOL and at least once every year, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

7. If the storage vessel ceases to store VOL for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals in accordance with the initial-fill requirements in §60.113b(b)(1)(i) and (ii). **(Ref.: 40 CFR 60.113b(b)(1)(iii))**

8. The permittee shall perform seal gap measurements in accordance with the procedures in §60.113b(b)(2) and (3). **(Ref.: 40 CFR 63.113b(b)(2) & (3))**

9. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification in any inspection for seals not meeting the requirements listed in §60.113b(b)(4)(i) and (ii). If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(b)(4)(iii). **(Ref.: 40 CFR 60.113b(b)(4))**

10. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(b)(6))**

11. The permittee shall submit a report within 60 days of performing seal gap measurements required by §60.113b(b)(1). The report shall contain the date of measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(2))**

12. The permittee shall keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain the date of the measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(3))**

13. After each seal gap measurement that detects an exceedence of the limitations specified in §60.113b(b)(4), the permittee shall submit a report within 30 days of the inspection. The report will identify the vessel and contain the information specified in §60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. **(Ref.: 40 CFR 60.115b(b)(4))**

5.BB. BB-000, Plant 53, PX Complex Emission Points

5.BB.3. Emission Point BB-003

1. The permittee shall maintain on-site a current start-up, shutdown, and malfunction (SSM) plan and must make the plan available upon request for inspection and copying by the MDEQ. If the SSM plan is revised, the permittee must be able to provide all previous versions of the SSM for a period of 5 years following the revision. **(Ref.: 40 CFR 63.6(e)(3)(v))**

2. The permittee shall submit periodic and immediate SSM reports in accordance with the guidelines provided in §63.10(d)(5)(i) and (ii). **(Ref.: 40 CFR 63.10(d)(5))**

5.BB.7. Emission Point BB-007

1. The permittee shall retain records of the information required in §63.104(f)(1)(i) through (f)(1)(iv) of this section as specified in §63.103(c)(1). **(Ref.: 40 CFR 63.104(f)(1))**

2. If the permittee invokes the delay of repair provisions for a heat exchange system per §63.104(e), a report containing the information in §63.104(f)(2)(i) through (f)(2)(v) shall be submitted in the next semiannual periodic report. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report until repair of the leak is reported. **(Ref.: 40 CFR 63.104(f)(2))**

5.BB.33. Emission Point BB-033

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.BB.70 Emission Point BB-070

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **(Ref.: 40 CFR 63.123(a))**

5.BB.128. Emission Point BB-128

1. The permittee shall monitor and record monthly the type, quantity, and quality of the fuel used. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BB.163. Emission Point BB-163

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 3-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BB.165. Emission Point BB-165

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

5.BB.170. Emission Point BB-170

1. The permittee shall perform a monthly visual inspection of the seal or closure mechanism on the bypass--line valve to ensure that the valve is maintained in the closed position and the vent stream is not routed through the bypass line. **(Ref.: 40 CFR 60.703(c)(1)(ii))**

2. The permittee shall keep up-to-date, readily accessible records of all monthly visual inspections. These records shall also include all periods and duration when the closure mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key configuration has been checked out. **(Ref.: 40 CFR 60.705(d)(2))**

3. The permittee shall submit semiannual reports of the following inspection records: (a) All periods and duration when the vent stream is diverted from the control device to the atmosphere; (b) All periods in which the seal mechanism is broken or the bypass valve position has changed. A record of the serial number of the car-seal or a record to show that the key to unlock the bypass line valve was checked out must be maintained to demonstrate the period, the duration, and frequency in which the bypass line was operated. **(Ref.: 40 CFR 60.705(l)(2), (7))**

5.BE. BE-000, Plant 61, Crude II Emission Points

5.BE.3 Emission Point BE-003

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and compressors in Plant 61 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: Permit to Construct issued April 20, 2010)**

2. Any component in Condition 5.BE.3.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed unti a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: Permit to Construct issued April 20, 2010)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: Permit to Construct issued April 20, 2010)**

5.BE.201. Emission Point BE-201

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.BE.211. Emission Point BE-211

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall install, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume (dry basis) of CO and O_2 emissions into the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: Permit to Construct issued April 20, 2010)**

4. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average CO emission rate in lb/hr, as determined by the CEMS, and monthly, the 12-month rolling CO emission total in tons per year. **(Ref.: Permit to Construct issued April 20, 2010)**

5. The permittee shall, install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for monitoring and recording NO_x emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: Permit to Construct issued April 20, 2010)**

6. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average NO_x emission rate in lb/hr, as determined by the CEMS; daily, the 365-day average NO_x emission rate in lb/MMBTU; and monthly, the 12-month rolling NO_x emission total in tons per year. **(Ref.: Permit to Construct issued April 20, 2010)**

7. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: Permit to Construct issued April 20, 2010)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

9. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: Permit to Construct issued April 20, 2010)**

10. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: Permit to Construct issued April 20, 2010)**

5.BF. BF-000, Plant 62, ISO II Emission Points

5.BF.221. Emission Point BF-221

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BF.223. Emission Point BF-223

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall install, certify, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume of NO_x and O_2 emissions to the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures in 40 CFR 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F, 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on each CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RATA or RAA is not performed. **(Ref.: Permit to Construct issued September 4, 2008)**

4. The permittee shall record the average daily NO_x emissions in lb/MMBTU and the rolling 365-day average NO_x emissions in lb/MMBTU, calculated daily. **(Ref.: Permit to Construct issued September 4, 2008)**

5. The permittee shall monitor the average daily heat input in MMBTU/hr. **(Ref.: Permit to Construct issued September 4, 2008)**

6. The permittee shall conduct visible observations using EPA Reference Method 22 of 40 CFR 60, Appendix A, on a daily basis or anytime there is a visible emissions complaint. If any visible emissions are observed, the permittee shall report the visible emissions as a potential deviation and the permittee shall: (a) Within one hour, initiate corrective actions to eliminate the visible emissions. Verify that the air emissions equipment and/or any associated pollution control equipment is operating normally, in accordance with design and standard procedures, and under the same conditions in which compliance was achieved in the past; (b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed and at least once per day until there is no indication of visible emissions, a certified visual emissions observer shall conduct an opacity test of each stack from which visible emissions were observed in accordance with EPA Reference Test Method 9, 40 CFR 60, Appendix A. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

7. The permittee shall, for the purpose of demonstrating compliance, conduct opacity observations concurrently with the performance test. If visibility or other conditions prevent the opacity observations from being conducted concurrently with the performance test, the permittee shall reschedule the opacity observations as soon after the performance test as possible, but no later than (30) days thereafter. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

5.BH. BH-000, Plant 64, Hydrogen II Emission Points

5.BH.35. Emission Point BH-035

1. The permittee may request approval to monitor parameters other than those listed in §63.644(a) if the permittee uses an alternative control device (scrubber). The request shall be submitted in accordance with the procedures in §63.654(h) (See alternative monitoring plan in Appendix G). **(Ref.: 40 CFR 63.644(b))**

5.BH.231. Emission Point BH-231

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BH.232. Emission Point BH-232

1. The permittee shall monitor and record daily the nitrogen content of the fuel combusted in the turbine, if the permittee claims an allowance for fuel bound nitrogen (i.e., if an F-value greater than zero is being or will be used to calculate STD in §60.332). The nitrogen content of the fuel shall be determined using methods in §60.335(b)(9) or an approved alternative. **(Ref.: 40 CFR 60.334(h)(2))**

2. The permittee may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u) using one of the information sources identified in §60.334(h)(3)(i) or (ii). **(Ref.: 40 CFR 60.334(h)(3))**

5.BI. BI-000, Plant 165, NHT II Emission Points

5.BI.245. Emission Point BI-245

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BK. BK-000, Plant 67, LSD Hydrofiner Emission Points

5.BK.76. Emission Point BK-076

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according

to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.BK.261. Emission Point BK-261

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BL. BL-000, Plant 68, Treaters II Emission Points

5.BL.53. Emission Point BL-053

1. The permittee shall maintain records for a period of 5 years the identification of all Group 2 miscellaneous process vents recorded and submitted in accordance with the Notification of Compliance Status §63.654(f)(1)(ii). **(Ref.: 40 CFR 63.654(i)(4))**

5.BP. BP-000, Plant 81, Residuum Desulphurization (RDS) Emission Points

5.BP.77. Emission Point BP-077

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.BP.511. Emission Point BP-511

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BQ. BQ-000, Plant 83, Coker Emission Points

5.BQ.78. Emission Point BQ-078

1. The permittee shall, for a storage vessel with an external-floating roof, determine the gap measurements for the primary and secondary seals. The gap measurements shall be done within 60 days of the initial fill with petroleum liquid and shall be done in accordance with the procedures in §60.113a(a)(1)(ii) and (iii). It is considered an initial fill if the storage vessel has been out of service for a period of one year or greater and is refilled with petroleum liquid. For primary seals, gap measurements shall be performed at least once every five years following the initial fill. All primary seal measurements which require the removal or dislodging of the secondary seal shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible. For secondary seals, gap measurements shall be performed at least once a year following the initial fill. **(Ref.: 40 CFR 60.113a(a)(1))**

2. The permittee shall provide 30 days prior notice of the gap measurement to afford the MDEQ the opportunity to have an observer present. **(Ref.: 40 CFR 60.113a(a)(1)(iv))**

3. The permittee shall maintain gap measurement records for a period of two years following the date of gap measurement. The records shall consist of the vessel identity, the date of gap measurement, and the data obtained from the measurement procedures in §60.113a(a)(1)(ii) and (iii). **(Ref.: 40 CFR 60.113a(a)(1)(i)(D))**

4. If either the seal gap calculated in accord with §60.113a(a)(1)(iii) or the measured maximum seal gap exceeds the limitations specified by §60.112(a), a report shall be furnished within 60 days of the date of measurement. The report shall identify the vessel and list each reason why the vessel did not meet the requirements. The report shall also describe the actions necessary to bring the storage vessel into compliance with the requirements. **(Ref.: 40 CFR 60.113a(a)(1)(i)(E))**

5. The permittee may use good engineering judgment or test results to determine the stored liquid weight percent total organic HAP for purposes of group determination. Data, assumptions, and procedures used in the determination shall be documented. **(Ref.: 40 CFR 63.646(b)(1))**

6. For a storage vessel determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, or 2 percent for new sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. **(Ref.: 40 CFR 63.654(i)(1)(iv))**

5.BQ.521. Emission Point BQ-521

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BR. BR-000, Plant 84, Vacuum Distillation Unit (VDU) Emission Points

5.BR.531. Emission Point BR-531

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BS. BS-000, Plant 85, Coker Hydrodenitrifier (HDN) Emission Points

5.BS.501. Emission Point BS-501

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BT. BT-000, Plant 86, Hydrogen III Emission Points

5.BT.541. Emission Point BT-541

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

7. The permittee may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u) using one of the information sources identified in §60.334(h)(3)(i) or (ii). **(Ref.: 40 CFR 60.334(h)(3))**

8. The permittee shall develop and submit for approval to MDEQ, by April 11, 2006, a plan **(See Appendix F)** for monitoring the percent exhaust flow from Gas Turbine KGT-8650 that is vented to the atmosphere. The permittee shall maintain records of those instances when gas turbine exhaust is vented to the atmosphere and the percent gas turbine exhaust vented to the atmosphere. The permittee shall report, semiannually, any instances when the gas turbine exhaust vented to the atmosphere exceeds 35% on a 12-month rolling average basis. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

5.BT.544. Emission Point BT-544

1. The permittee shall maintain records for a period of 5 years the identification of all Group 2 miscellaneous process vents recorded and submitted in accordance with the Notification of Compliance Status §63.654(f)(1)(ii). **(Ref.: 40 CFR 63.654(i)(4))**

5.BU. BU-000, Plant 87, Alkylation II Emission Points

5.BU.60. Emission Point BU-060

1. The permittee shall perform a monthly visual inspection of the seal or closure mechanism on the bypass--line valve to ensure that the valve is maintained in the closed position and the vent stream is not routed through the bypass line. **(Ref.: 40 CFR 60.703(c)(1)(ii); See Appendix C, EPA Letter Dated 2/19/2003)**

2. The permittee shall keep up-to-date, readily accessible records of all monthly visual inspections. These records shall also include all periods and duration when the closure mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key configuration has been checked out. **(Ref.: 40 CFR 60.705(d)(2); See Appendix C, EPA Letter Dated 2/19/2003)**

3. The permittee shall submit semiannual reports of the following inspection records: (a) All periods and duration when the vent stream is diverted from the control device to the atmosphere; (b) All periods in which the seal mechanism is broken or the bypass valve position has changed. A record of the serial number of the car-seal or a record to show that the key to unlock the bypass line valve was checked out must be maintained to demonstrate the period, the duration, and frequency in which the bypass line was operated. **(Ref.: 40 CFR 60.705(l)(2), (7); See Appendix C, EPA Letter Dated 2/19/2003)**

4. The permittee shall keep up-to-date, readily accessible continuous records of the flow indication, as well as up-to-date, readily accessible records of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(d))**

5. The permittee shall submit semiannual reports of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(l)(2))**

5.BV. BV-000, Plant 89, Fire Training Emission Points

5.BV.1. Emission Point BV-001

1. The permittee shall record the date and time of each fire training event where fuel is combusted. The record shall include the type and amount of each fuel used and the duration of the combustion event. These records shall be maintained on site. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BW. BW-000, Plant 90, SRU IV Emission Points

5.BW.14 Emission Point BW-014

1. The permittee shall install, operate, maintain, and calibrate an instrument using an air or O2 dilution and oxidation system to convert the reduced sulfur to SO_2 for continuously monitoring and recording the concentration (dry basis, zero percent excess air) of the resultant SO_2. The monitor shall include an oxygen monitor for correcting the data for excess oxygen. The span values for this monitor are 375 ppm SO_2 and 25 percent O_2. For reporting purposes, the SO_2 exceedance level for this monitor is 250 ppm (dry basis, zero percent excess air). The performance evaluations for this SO_2 (and O_2) monitor under §60.13(c) shall use Performance Specification 5. Methods 15 or 15A and Method 3 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(7); 40 CFR 63.1568(b)(1) & Table 31)**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c), for periods of excess emissions determined as all 12-hour periods during which the average concentration of SO_2 as measured by the SO_2 continuous monitor exceeds 250 ppm (dry basis, zero percent excess air). **(Ref.: 40 CFR 60.105(e)(4)(iii))**

3. The permittee shall submit in a semiannual compliance report any 12-hour average concentration of reduced sulfur that exceeded the applicable emission limitation (300 ppmvd TRS). The report shall be submitted in accordance with §63.1575. **(Ref.: 40 CFR 63.1568(c)(1) & Table 34)**

5.BW.18 Emission Point BW-018

1. The permittee shall monitor the scrubber for caustic utilization and shall sample the caustic on a daily basis while the unit is in operation. Spent caustic shall be replaced in order to maintain a maximum caustic utilization of 85%. **(Ref.: 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(a)(2).)**

5.BW.551. Emission Point BW-551

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

5.BX. BX-000, Plant 91, SRU V Emission Points

5.BX.20 Emission Point BX-020

1. The permittee shall install, operate, maintain, and calibrate an instrument using an air or O2 dilution and oxidation system to convert the reduced sulfur to SO_2 for continuously monitoring and recording the concentration (dry basis, zero percent excess air) of the resultant SO_2. The monitor shall include an oxygen monitor for correcting the data for excess oxygen. The span values for this monitor are 375 ppm SO_2 and 25 percent O_2. For reporting purposes, the SO_2 exceedance level for this monitor is 250 ppm (dry basis, zero percent excess air). The performance evaluations for this SO_2 (and O_2) monitor under §60.13(c) shall use Performance Specification 5. Methods 15 or 15A and Method 3 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(7); 40 CFR 63.1568(b)(1) & Table 31)**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c), for periods of excess emissions determined as all 12-hour periods during which the average concentration of SO_2 as measured by the SO_2 continuous monitor exceeds 250 ppm (dry basis, zero percent excess air). **(Ref.: 40 CFR 60.105(e)(4)(iii))**

3. The permittee shall submit in a semiannual compliance report any 12-hour average concentration of reduced sulfur that exceeded the applicable emission limitation (300 ppmvd TRS). The report shall be submitted in accordance with §63.1575. **(Ref.: 40 CFR 63.1568(c)(1) & Table 34)**

5.BX.552. Emission Point BX-552

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

5.BY. BY-000, Plant 92, SRU VI Emission Points

5.BY.25 Emission Point BY-025

1. The permittee shall install, operate, maintain, and calibrate an instrument using an air or O2 dilution and oxidation system to convert the reduced sulfur to SO_2 for continuously monitoring and recording the concentration (dry basis, zero percent excess air) of the resultant SO_2. The monitor shall include an oxygen monitor for correcting the data for excess oxygen. The span values for this monitor are 375 ppm SO_2 and 25 percent O_2. For reporting purposes, the SO_2 exceedance level for this monitor is 250 ppm (dry basis, zero percent excess air). The performance evaluations for this SO_2 (and O_2) monitor under §60.13(c) shall use Performance Specification 5. Methods 15 or 15A and Method 3 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(7); 40 CFR 63.1568(b)(1) & Table 31)**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c), for periods of excess emissions determined as all 12-hour periods during which the average concentration of SO_2 as measured by the SO_2 continuous monitor exceeds 250 ppm (dry basis, zero percent excess air). **(Ref.: 40 CFR 60.105(e)(4)(iii))**

3. The permittee shall submit in a semiannual compliance report any 12-hour average concentration of reduced sulfur that exceeded the applicable emission limitation (300 ppmvd TRS). The report shall be submitted in accordance with §63.1575. **(Ref.: 40 CFR 63.1568(c)(1) & Table 34)**

5.BY.553. Emission Point BY-553

1. The permittee shall install, calibrate, maintain, and operate an instrument for continuously monitoring and recording the concentration (dry basis) of H_2S in fuel gases before being burned in any fuel gas combustion device. The span value for this instrument shall be 425 mg/dscm H_2S. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. The H_2S monitoring system shall meet the applicable monitoring requirements of 40 CFR 60.13. The permittee shall use Performance Specification 7 for performance evaluations required by 40 CFR 60.13(c) for the H_2S monitor. EPA Test Method 11, 15, 15A, or 16 shall be used for conducting the relative accuracy evaluations. **(Ref.: 40 CFR 60.105(a)(4))**

2. The permittee shall submit semiannual excess emission reports in accordance with §60.7(c) and §60.107(e) and (f) for periods of excess emissions determined as all rolling 3-hour periods during which the average concentration of H_2S exceeds 230 mg/dscm (0.10 gr/dscf). **(Ref.: 40 CFR 60.105(e)(3)(ii))**

5.BZ. BZ-000, Plant 94, Amine Regeneration Emission Points

5.BZ.15. Emission Point BZ-15

1. The permittee shall maintain records for a period of 5 years the identification of all Group 2 miscellaneous process vents recorded and submitted in accordance with the Notification of Compliance Status §63.654(f)(1)(ii). **(Ref.: 40 CFR 63.654(i)(4))**

5.CC. CC-000, Plant 95, Wastewater Treater Emission Points

5.CC.32 Emission Point CC-032

1. The permittee shall install and operate a flow meter for continuously monitoring ammonia flared from the caustic scrubber. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

2. The permittee shall record and maintain adequate records of wastewater ammonia flaring including, but not limited to, the daily and 365-day rolling total hours of wastewater treater ammonia flaring and a description of the nature and cause of the wastewater treater ammonia flaring. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

3. The permittee shall submit a semiannual report providing the following information: The date, time and duration of wastewater treater ammonia flaring; the daily and 365-day rolling total hours of wastewater treater ammonia flaring; A description of the nature and cause of any wastewater treater ammonia flaring; The daily amount of ammonia flared from the reflux drum in tons per day. **(Ref.: PSD Permit to Construct issued June 12, 2001)**

5.CC.102 Emission Point CC-102

1. Permittee shall develop and implement a monitoring plan to demonstrate compliance with the H2S standard of 1 grain per 100 standard cubic feet (1 gr/100 scf) found in 11 Miss. Admin. Code Pt. 2, R. 1.4.B(2). The monitoring plan shall identify sources to be tested, rationale for selecting these sources, the test/monitoring method(s) to be used, the frequency of the testing/monitoring and the threshold at which corrective action will be taken to reduce H2S emissions. **(Ref.: Permit to Construct issued January 8, 2008 and modified November 13, 2012.)**

5.CC.197 Emission Point CC-197

1. For an external-floating roof, the permittee shall measure the gap between the primary seal and the tank wall during the hydrostatic testing of the tank or within 60 days of the initial-fill with VOL and at least once every 5 years, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(i))**

2. For an external-floating roof, the permittee shall measure the gap between the secondary seal and the tank wall within 60 days of the initial fill with VOL and at least once every year, thereafter. **(Ref.: 40 CFR 60.113b(b)(1)(ii))**

3. If the storage vessel ceases to store VOL for a period of one year or more, the permittee shall perform gap measurements for the primary and secondary seals in accordance with the initial-fill requirements in §60.113b(b)(1)(i) and (ii). **(Ref.: 40 CFR 60.113b(b)(1)(iii))**

4. The permittee shall perform seal gap measurements in accordance with the procedures in §60.113b(b)(2) and (3). **(Ref.: 40 CFR 63.113b(b)(2) & (3))**

5. The permittee shall make repairs or empty the storage vessel no later than 45-calendar days following identification in any inspection for seals not meeting the requirements listed in §60.113b(b)(4)(i) and (ii). If unable to make the repairs and the tank cannot be removed from service, the permittee may use the extension procedures provided in §60.113b(b)(4)(iii). **(Ref.: 40 CFR 60.113b(b)(4))**

6. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fitting each time the vessel is emptied or degassed. If the external-floating roof has defects, the permittee shall repair the items before filling the tank. **(Ref.: 40 CFR 60.113b(b)(6))**

7. The permittee shall submit a report within 60 days of performing seal gap measurements required by §60.113b(b)(1). The report shall contain the date of measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(2))**

8. The permittee shall keep a record of each gap measurement performed as required by §60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain the date of the measurement, the raw data obtained, and the calculations performed. **(Ref.: 40 CFR 60.115b(b)(3))**

9. After each seal gap measurement that detects an exceedance of the limitations specified in §60.113b(b)(4), the permittee shall submit a report within 30 days of the inspection. The report will identify the vessel and contain the information specified in §60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. **(Ref.: 40 CFR 60.115b(b)(4))**

5.CD. CD-000, Plant 112, Solid Waste Treatment Unit Emission Points

5.CD.84. Emission Point CD-084

1. The cover and all openings of a waste container shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.345(a)(1)(i))**

2. Each cover and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that they are closed and gasketed properly. **(Ref.: 40 CFR 61.345(b))**

3. Except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, first efforts at repair shall made as soon as practicable, but no later than 15 calendar days after identification. **(Ref.: 40 CFR 61.345(c))**

4. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

5. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

6. Beginning 3 months following the date of initial equipment certification required under §61.357(d)(1), the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

7. Beginning 1 year following the date of initial equipment certification required under §61.357(d)(1), the permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified, including information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.CD.112. Emission Point CD-112

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. For each fixed-roof, except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. Each closed-vent system and control device shall be visually inspected initially and quarterly. The visual inspection shall 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. **(Ref.: 40 CFR 61.349(f))**

6. For each closed-vent system or control device, except as provided for in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort to repair the closed-vent system and control device shall be made as soon as practicable by no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain engineering design documentation for all control equipment (closed-vent system and control device) installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. **(Ref.: 40 CFR 61.356(d))**

9. The design documentation shall contain a statement, signed and dated by the owner or operator, certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit operates at the highest load or capacity expected. **(Ref.: 40 CFR 61.356(f)(1))**

10. The design documentation shall contain a design analysis that includes specifications, drawings, schematics, and piping and instrumentation diagrams prepared by the permittee. The design analysis shall address the following vent stream characteristics: vent stream composition, constituent concentration, flow rate, relative humidity, and temperature. The design analysis shall also establish the design exhaust vent stream organic compound concentration level or the design exhaust vent stream benzene concentration level, capacity of carbon bed, type and working capacity of activated carbon used for carbon bed, and design carbon replacement interval based on the total carbon working capacity of the control device and source operating schedule. **(Ref.: 40 CFR 61.356(f)(2)(i)(G))**

11. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

12. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

13. For the control device, the permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of start-up and shutdown of the closed-vent system and control device; A description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and the control device's design specifications and an explanation of the criteria used for selection of that parameter(s); Periods when the closed-vent system and control device are not operated as designed; (For carbon adsorber) records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time then the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(1), (2), (3), (10))**

14. For certified equipment necessary to comply with these standards, the permittee shall submit quarterly, a certification that all of the required inspections have been carried out. **(Ref.: 40 CFR 61.357(d)(6))**

15. For the control device (carbon adsorber), the permittee shall submit quarterly, a report for each occurrence when the carbon in the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

16. The permittee shall submit annually, a report that summarizes all inspections required by §§61.342 through 61.354 during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified. The report should include information about the repairs or corrective action taken. **(Ref.: 40 CFR 61.357(d)(8))**

5.CE. CE-000, Plant 122, Iso Octene Emission Points

5.CE.21. Emission Point CE-021

1. The permittee shall keep up-to-date, readily accessible continuous records of the flow indication, as well as up-to-date, readily accessible records of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(d))**

2. The permittee shall submit semiannual reports of all periods when the vent stream is diverted from the control device (flare) or has no flow rate. **(Ref.: 40 CFR 60.665(l)(2))**

5.CF. CF-000, Plant 208, Main Lab Emission Points

5.CF.1. Emission Point CF-001

1. The cover and all openings of a fixed-roof shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and annually thereafter using methods specified in §61.355(h). **(Ref.: 40 CFR 61.343(a)(1)(i)(A))**

2. Each fixed-roof, seal, access door, and all other openings shall be checked by visual inspection initially and quarterly thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. **(Ref.: 40 CFR 61.343(c))**

3. Except as provided for in §61.350, when a broken seal, gasket, or other problem is identified, or when detectable emissions are measured, first efforts at repair shall made as soon as practicable, but no later than 45 calendar days after identification. **(Ref.: 40 CFR 61.343(d))**

4. The permittee shall design and operate the closed vent system 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 §61.355(h). **(Ref.: 40 CFR 61.349(a)(1)(i))**

5. The permittee shall visually inspect each closed-vent system and control device initially and quarterly thereafter. The inspection shall include inspection of the ductwork, piping, and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. **(Ref.: 40 CFR 61.349(f))**

6. Except as provided in §61.350, if visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, a first effort at repair shall be made as soon as practicable but no later than 5 calendar days after detection. Repair shall be completed no later than 15 calendar days after the emissions are detected or the visible defect is observed. **(Ref.: 40 CFR 61.349(g))**

7. The permittee shall monitor the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. As an alternative to this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon on a predetermined time interval that is less than the carbon replacement interval that is defined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the control device. **(Ref.: 40 CFR 61.354(d))**

8. The permittee shall maintain documentation for all control equipment installed on the waste management unit. The documentation shall be maintained for the life of the control equipment. For the control device, the permittee shall maintain the following records: (1) A statement signed and dated by the owner or operator certifying that the closed-vent system and control device is designed to operate at the documented performance level when the waste management unit is operating at the highest load expected to occur. (2) For a performance test, the permittee shall maintain a description of how it is determined that the test is conducted when the waste management unit or treatment process is operating at the highest load or capacity level. This description shall include the estimated or design flow rate and organic content of each vent stream and definition of the acceptable operating ranges of key process and control parameters during the test; a description of the control device including the type of control device, control device manufacturer's name and model number, control device dimensions, capacity, and construction materials; a detailed description of sampling and monitoring procedures, including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis; all test results. **(Ref.: 40 CFR 61.356(d)&(f)(1)&(3))**

9. The permittee shall maintain a record for each visual inspection that identifies a problem (such as a broken seal, gap or other problem) which could result in benzene emissions. The record shall include the date of the inspection, waste management unit and control equipment location where the problem is identified, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(g))**

10. The permittee shall maintain a record for each test of no detectable emissions. The record shall include the following information: date the test is performed, background level measured during test, and maximum concentration indicated by the instrument reading measured for each potential leak interface. If detectable emissions are measured at a leak interface, then the record shall also include the waste management unit, control equipment, and leak interface location where detectable emissions were measured, a description of the problem, a description of the corrective action taken, and the date the corrective action was completed. **(Ref.: 40 CFR 61.356(h))**

11. The permittee shall maintain documentation that includes the following information regarding the control device operation: Dates of startup and shutdown of the closed-vent system and control device; a description of the operating parameter(s) to be monitored to ensure that the control device will be operated in conformance with these standards and control device's design specifications and an explanation of the criteria used for selection of that parameter(s). This documentation shall be kept for the life of the control device; periods when the closed-vent system and control device is not operated as designed. **(Ref.: 40 CFR 61.356(j)(1),(2),(3))**

12. The permittee shall maintain records of dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time when the existing carbon in the control device is replaced with fresh carbon. **(Ref.: 40 CFR 61.356(j)(10))**

13. Quarterly certification, see Condition 5.AC.1.4. **(Ref.: 40 CFR 61.357(d)(6))**

14. Beginning 3 months following the date of initial equipment certification required under §61.357(d)(1), the permittee shall submit a quarterly report for the control device that documents each period of operation during which the following condition occurs: each occurrence when the carbon adsorber system is not replaced at the predetermined interval specified in §61.354(d). **(Ref.: 40 CFR 61.357(d)(7)(iv)(I))**

15. Annual inspection report, see Condition 5.AC.1.2. **(Ref.: 40 CFR 61.357(d)(8))**

5.CG. CG-000, Plant 5171, Pascagoula Marketing Terminal Emission Points

5.CG.2. Emission Point CG-002

1. The permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system capable of measuring organic compound concentrations in the exhaust air stream. **(Ref.: 40 CFR 63.427(a)(1))**

2. The permittee shall keep an up-to-date, readily accessible record of the continuous monitoring data required under §63.427(a). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. **(Ref.: 40 CFR 63.428(c)(1))**

3. The permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece shall be inspected during a loading of a gasoline cargo tank. **(Ref.: 40 CFR 63.424(a))**

4. The permittee, for each inspection, shall use a log book and the book shall be signed at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. **(Ref.: 40 CFR 63.424(b))**

5. The permittee shall record, in the inspection log book, each detection of a liquid or vapor leak. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided by delay-of-repair provisions in §63.424(d). **(Ref.: 40 CFR 63.424(c))**

6. The permittee, upon demonstration to the MDEQ that the repair of leaking equipment within 15 days is not feasible, will be allowed to delay repair. The permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed. **(Ref.: 40 CFR 63.424(d))**

7. The permittee shall record the following information in the log book for each leak that is detected: The equipment type and identification number; the nature of the leak and the method of detection; the date the leak was detected and the date of each attempt to repair the leak; repair methods applied in each attempt to repair the leak; delay of repair and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; the expected date of successful repair if not within 15 days; and the date of successful repair. **(Ref.: 40 CFR 63.428(e))**

8. The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as follows: Annual certification testing performed under §63.425(e); Continuous testing performed under §63.425(f), (g), and (h); The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility and the documentation for each test shall include the information outline in §63.428(b)(3)(i) through (viii). **(Ref.: 40 CFR 63.428(b))**

9. The permittee shall include in a semiannual report the following information: Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility; and the number of equipment leaks not repaired within 5 days after detection. **(Ref.: 40 CFR 63.428(g))**

10. The permittee shall submit a semiannual excess emissions report in accordance with §63.10(e)(3). The following occurrences are excess emissions events under this subpart, and the following information shall be included in the excess emissions report: Each exceedance of the monitored operating parameter value determined under §63.425(b). The report shall include the monitoring data for the days on which exceedances have occurred, and a description and timing of the steps taken to repair the vapor collection and processing systems or the continuous monitoring system; Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained; Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with §63.422(c)(2); For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: The date the leak was detected; the date of each attempt to repair the leak; the reasons for the delay of repair; and the date of successful repair. **(Ref.: 40 CFR 63.428(h))**

11. The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the facility within 1 week of the documentation crosscheck in §60.502(e)(3). **(Ref.: 40 CFR 60.502(e)(4))**

12. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell is acceptable. Each leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. **(Ref.: 40 CFR 60.502(j))**

13. The permittee shall, at least once per year, update the tank truck vapor tightness documentation to reflect the current test results. The documentation shall consist of the elements in §60.505(b) and shall be retained on file at the terminal in a permanent form available for inspection. **(Ref.: 40 CFR 60.505(a), (b))**

14. The permittee shall maintain a record of each monthly leak inspection required under §60.502(j) shall be kept on file at the terminal for at least 5 years. Inspection records shall include the elements identified in §60.505(c). **(Ref.: 40 CFR 60.505(c); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)**

15. The permittee shall keep documentation of all notifications of non-vapor-tight trucks required under §60.504(e)(4) on file at the terminal for a period of 5 years. **(Ref.: 40 CFR 60.505(d); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)**

16. The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 5 years. **(Ref.: 40 CFR 60.505(f); 11 Miss. Admin. Code Pt. 2, R. 6.3.A(3)(b)(2).)**

17. The permittee shall record the daily amount of gasoline, diesel, and jet fuel loaded at the marketing terminal in gallons per day and shall calculate the total amount of each fuel loaded in gallons per year for each consecutive 365-day period. **[(Ref.: Permit to Construct issued April 22, 1999), until receipt of certification of construction]; [(Ref.: PSD Permit to Construct issued May 8, 2007), beginning upon receipt of certification of construction]**

5.CG.3 Emission Point CG-003

1. In addition to any applicable federal requirements for equipment leaks, the permittee shall monitor any valves, pressure relief devices, pumps, and compressors in Plant 5171 for leaks once per quarter using an approved gas analyzer conforming to the requirements of §60.485a(a)-(b). (Those valves meeting the definition of inaccessible or unsafe-to-monitor, as defined in §60.482-7a(g), are excluded from this requirement.) **(Ref.: PSD Permit to Construct issued May 8, 2007)**

2. Any component in Condition 5.CG.1.1. found to be leaking shall be tagged and repaired within 15 days after the leak is found. If the repair would require a unit shutdown, the repair may be delayed until a scheduled shutdown is identified for such repair. Repaired components shall be re-monitored within 15 days of being placed back into VOC service. **(Ref.: PSD Permit to Construct issued May 9, 2007)**

3. For any equipment designated for no detectable emissions, the permittee shall conduct a compliance test in accordance with §60.485a(c). **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.CG.33 Emission Point CG-033

1. For each storage tank having a capacity of 5,000 gallons or more and is not subject to control requirements because of the criteria in Table 2 of 40 CFR Part 63, Subpart EEEE, items 1 through 6, the permittee must comply with the following:
   (a) The permittee must submit the information in §63.2386(c)(1),(2),(3), and (10)(i) in either the Notification of Compliance Status (NCS), according to the schedule specified in Table 12 to Subpart EEEE, or in the first compliance report, according to the schedule in §63.2386(b), whichever comes first. If the permittee submits the first compliance report before the NCS, the NCS must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the first compliance report. If none of these changes have occurred, the permittee does not need to report the information in §63.2386(c)(10)(i) when submitting the NCS. If the permittee submits the NCS before the first compliance report, the first compliance report must contain the information in §63.2386(d)(3) and (4) if any changes in §63.2343(d) have occurred since the filing of the NCS;

(b) The permittee must submit a subsequent compliance report according to the schedule in §63.2386(b) whenever any of the events in §63.2343(d) occur, as applicable. The subsequent compliance reports must contain the information in §63.2386(c)(1), (2), (3) and as applicable in §63.2386(d)(3) and (4). The permittee may submit a single compliance report for all applicable equipment;

(c) For each storage tank, the permittee must keep documentation, including a record of the annual average true vapor pressure of the total Table 1 organic HAP in the stored organic liquid that verifies the storage tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. **(Ref: 40 CFR 63.2343(b))**

5.CG.38 Emission Point CG-038

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.CH. CH-000, Plant 79 Continuous Catalytic Reforming (CCR) Unit Emission Points

5.CH.1. Emission Point CH-001

1. The permittee shall monitor the connectors in Plant 79 for leaks once per calendar year. Those connectors meeting the definition of inaccessible or unsafe-to-monitor, as defined in §63.174, are excluded. If the percentage of leaking connectors is less than 1 percent, the connector monitoring may be reduced to once every two years. If the percentage of leaking connectors is less than 0.5 percent, the connector monitoring may be reduced to once every four years. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.CH.3. Emission Point CH-003

1. The permittee shall conduct a performance test for each fuel gas combustion device within 60 days of achieving maximum production or no later than 180 days after startup to demonstrate initial compliance with the applicable emission limit(s) in §60.102a(g) according to the requirements of §60.8. The permittee shall determine compliance with the NO_x emission limit according to the test methods and procedures in §60.104a(i). The permittee shall determine compliance with the H_2S emission limit according to the test methods and procedures in §60.104a(j). **(Ref.: 40 CFR 60.104a(a), (i), and (j))**

2. For the purpose of reports required by §60.7(c), periods of excess emissions for fuel gas combustion devices are defined as specified below. Note: All averages are the arithmetic average of the applicable 1-hour averages, e.g., a rolling 3-hour average is the arithmetic average of three contiguous 1-hour averages, and a rolling 365-day average is the arithmetic average of the applicable daily averages.

   (a) Each rolling 3-hour period during which the average concentration of H_2S exceeds 162 ppmv and each rolling 365-day period during which the average concentration of H_2S exceeds 60 ppmv.

   (b) Each rolling 30-day period during which the average concentration of NO_x exceeds 40 ppmv.

   (Ref.: 40 CFR 60.107a(f))

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: PSD Permit to Construct issued May 8, 2007)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

7. *[Reserved]*

8. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average NO_x emission rate in lb/hr, as determined by the CEMS, and monthly, the 12-month rolling NO_x emission total in tons per year and lb/MMBTU. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

9. The permittee shall install, certify, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume (dry basis) of CO and O_2 emissions into the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

10. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average CO emission rate in lb/hr, as determined by the CEMS, and monthly, the 12-month rolling CO emission total in tons per year and parts per million by volume on a dry basis, corrected to 3 percent oxygen. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

11. The permittee shall submit an excess emissions report for all periods of excess emissions according to the requirements of §60.7(c) except that the report shall contain the information specified below:

    (a) The date that the exceedance occurred;

    (b) An explanation of the exceedance;

    (c) Whether the exceedance was concurrent with startup, shutdown, or malfunction of an affected facility or control system; and

    (d) A description of the action taken, if any.

    (e) A root-cause summary report that provides the information described in §60.108a(c)(6) for all discharges for which a root-cause analysis was required by §60.103a(b).

    (f) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit. Operations of the control system and affected during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

    (g) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

    (Ref.: 40 CFR 60.108a(d))

12. The permittee shall install, operate, and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H_2S in the fuel gases before being burned in any fuel gas combustion device. The permittee shall install, operate, and maintain each H_2S monitor according to the requirements of §60.13(c) and Performance Specification 7 of Appendix B to 40 CFR Part 60. The permittee shall use Method 11, 15, of 15A of Appendix A-5 or Method 16 of Appendix A-6 to 40 CFR Part 60 for conducting relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 15A. The permittee shall comply with the applicable quality assurance procedures in Appendix F to 40 CFR Part 60 for each H_2S monitor. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. **(Ref.: 40 CFR 60.107a(a)(2))**

13. *[Reserved]*

14. *[Reserved]*

15. The permittee shall install, operate, calibrate, and maintain an instrument for continuously monitoring and recording the concentration (dry basis, 0 percent excess air) of NO_x emissions into the atmosphere. The monitor must include an O_2 monitor for correcting the data for excess air.

    (a) The permittee shall install, operate, and maintain each NO_x monitor according to the requirements in §60.13(c) and Performance Sepcification 2 of Appendix B to 40 CFR Part 60. The span value of this NO_x monitor shall be 200 ppmv NO_x. The permittee shall use Methods 7, 7A, 7C, 7D, or 7E of Appenidx A to 40 CFR Part 60 for conducting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 7 or 7C.

    (b) The permittee shall install, operate, and maintain each O_2 monitor according to §60.13(c) and Performance Specification 3 of Appendix B to 40 CFR Part 60. The span value of this O_2 monitor must be selected between 10 and 25 percent, inclusive. Method 3, 3A, or 3B of Appendix A-2 to 40 CFR Part 60 shall be used for conduting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 3B.

        (c) The permittee shall comply with the quality assurance requirements in Procedure 1 of Appendix F to 40 CFR Part 60 for each NO_x and O_2 monitor, including quarterly accuracy determinations for NO_x monitors, annual accuracy determinations for O_2 monitors, and daily calibration drift tests**(Ref.: 40 CFR 60.107a(c))**

16. The permittee shall record and maintain records of discharges greater than 500 lb SO_2 in excess of the H_2S limits from any affected fuel gas combustion device. These records shall include:

    (a) A description of the discharge.

    (b) The date and time the discharge was first identified and the duration of the discharge.

    (c) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quanitity for each 24-hour period. Engineering calculations are allowed for fuel gas combustion devices other than flares not complying with the alternative monitoring requirements in §60.107a(g).

    (d) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emissions limit in §60.102a(g)(1), the measured concentration of H_2S in the fuel gas. Process knowledge can be used to make these estimates for fuel gas combustion devices other than flares.

    (e) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emissions limit in §60.102a(g)(1), the cumulative quantity of H_2S and SO_2 released into the atmosphere. For releases controlled by flares, assume 99 percent conversion of reduced sulfur to SO_2. For fuel gas combustion devices, assume 99 percen conversion of H_2S to SO_2.

    (f) The root-cause analysis and corrective action analysis conducted as required in §60.103a(d), including an identification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under § 60.103a(e).

    (g) For any corrective action analysis for which corrective actions are required in § 60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

    (h) For each discharge from any affected flare that is the result of a planned startup or shutdown of a refinery process unit or ancillary equipment connected to the affected flare, a statement that a root cause analysis and corrective action analysis are not necessary because the owner or operator followed the flare management plan.

    (Ref.: 40 CFR 60.108a(c)(6))

5.CH.4. Emission Point CH-004

1. The permittee shall install and operate a continuous parameter monitoring system to measure and record the temperature of the exhaust gas entering or exiting the adsorption system during coke burn-off and catalyst rejuvenation. The continuous temperature monitoring system shall be installed, operated, and maintained according to the requirements in §63.1572(c)(1) through (c)(7). **(Ref.: 40 CFR 63.1567(b)(1) and Table 24 and 63.1572(c))**

2. The permittee shall conduct performance tests according to the requirements of §63.1571 and the conditions specified in Table 25 of 40 CFR Part 63, Subpart UUU. **(Ref.: 40 CFR 63.1567(b)(2) and Table 25)**

3. The permittee shall establish site-specific operating limits as required in Table 23 of Subpart UUU in accordance with the procedures in Table 25 of Subpart UUU. **(Ref.: 40 CFR 63.1567(b)(3) and Table 25)**

4. For the continuous temperature monitoring system, the permittee must conduct all monitoring in continuous operation (or collect data at all required intervals) at all times the affected source is operating, except for monitoring malfunctions, associated repairs, and required quality assurance or control activities. The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of data averages and calculations or for fulfilling a minimum data availability requirement, if applicable. The permittee must use all the data collected during all other periods in assessing the operation of the control device. **(Ref.: 40 CFR 63.1572(d))**

5. The permittee shall submit an operation, maintenance, and monitoring plan to MDEQ for review and approval along with the notification of compliance status required by Subpart UUU according to the requirements of §63.1574. The permittee must submit any changes to this plan to MDEQ for review and approval prior to implementing the change. **(Ref.: 40 CFR 63.1567(b)(5)-(6) and 63.1574(f)(1))**

6. The permittee shall demonstrate continuous compliance with the emission limitations during coke burn-off and catalyst rejuvenation by meeting the following requirements:

   (a) Collecting the hourly and daily average temperature monitoring data according to §63.1572; and maintaining the daily average temperature below the operating limit established during the performance test.

   (b) Collecting samples of the sorbent entering the adsorption system three times per week (on non-consecutive days); and analyzing the samples for total chloride concentration (per the procedures in footnote 3 of Table 28);

and determining and recording the weekly average chloride concentration; and maintaining the chloride concentration below the design or manufacutrer's recommended limit (1.35 weight percent for the Chlorsorb^{TM} System).

(c) Collecting samples of the sorbent exiting the adsorption system three times per week (on non-consecutive days); and analyzing the samples for total chloride concentration (per the procedures in footnote 3 of Table 28); and determining and recording the weekly average chloride concentration; and maintaining the chloride concentration below the design or manufacutrer's recommended limit (1.8 weight percent for the Chlorsorb^{TM} System).

(Ref.: 40 CFR 63.1567(c)(1) and Table 28)

7. The permittee shall demonstrate continuous compliance with the work practice standard in §63.1567(a)(3) by maintaining records to document conformance with the procedures in the operation, maintenance, and monitoring plan. **(Ref.: 40 CFR 63.1567(c)(2))**

8. The permittee shall submit a semiannual compliance report in accordance with Condition 5.A.4 of this permit containing the information in §63.1575(c). If there are no deviations from any emission limitation or work practice standards, the report shall contain a statement that there were no deviations from the emission limitations or work practice standards during the reporting period. For each deviation from an emission limitation or work practice standard, the compliance report must contain the information in §63.1575(c)(1) through (3) and the information in §63.1575(d)(1) through (3). The compliance report shall also contain a copy of any performance test done during the reporting period. **(Ref.: 40 CFR 63.1575(b)(5), (c), (d), and (f)(1))**

9. The permittee shall keep the records as specified in §63.1576(a) and Tables 20, 21, 27, and 28 of Subpart UUU. The permittee shall also keep a current copy of the operation, maintenance, and monitoring plan onsite and available for inspection, as well as records showing continuous compliance with the procedures in this plan. **(Ref.: 40 CFR 63.1576(a), (d), and (e))**

10. *[Reserved]*

5.CH.901. Emission Point CH-901

1. For each storage tank with a capacity less than 5,000 gallons, the permittee must keep documentation that verifies that each tank is not required to be controlled. The documentation must be kept up-to-date and must be in a form suitable and readily available for expeditious inspection and review according to §63.10(b)(1), including records stored in electronic form in a separate location. The documentation may consist of identification of the tanks on a plant site plan or process and instrumentation diagram. **(Ref.: 40 CFR 63.2343(a))**

5.CI. CI-000, Plant 80 Reformate Splitter Unit Emission Points

5.CI.1. Emission Point CI-001

1. The permittee shall monitor the connectors in Plant 80 for leaks once per calendar year. Those connectors meeting the definition of inaccessible or unsafe-to-monitor, as defined in §63.174, are excluded. If the percentage of leaking connectors is less than 1 percent, the connector monitoring may be reduced to once every two years. If the percentage of leaking connectors is less than 0.5 percent, the connector monitoring may be reduced to once every four years. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

5.CI.3. Emission Point CI-003

1. The permittee shall conduct a performance test for each fuel gas combustion device within 60 days of achieving maximum production or no later than 180 days after startup to demonstrate initial compliance with the applicable emission limit(s) in §60.102a(g) according to the requirements of §60.8. The permittee shall determine compliance with the H_2S emission limit according to the test methods and procedures in §60.104a(j). **(Ref.: 40 CFR 60.104a(a) and (j))**

2. For the purpose of reports required by §60.7(c), periods of excess emissions for fuel gas combustion devices are defined as specified below. Note: All averages are the arithmetic average of the applicable 1-hour averages, e.g., a rolling 3-hour average is the arithmetic average of three contiguous 1-hour averages, and a rolling 365-day average is the arithmetic average of the applicable daily averages.

   (a) Each rolling 3-hour period during which the average concentration of H_2S exceeds 162 ppmv and each rolling 365-day period during which the average concentration of H_2S exceeds 60 ppmv.

   (b) Each rolling 30-day period during which the average concentration of NO_x exceeds 40 ppmv.

   (Ref.: 40 CFR 60.107a(f))

3. The permittee shall calculate and record the hourly SO_2 emission rate (lbs/hr) and the rolling 24-hour average emission rate (lbs/hr). The permittee shall also record the monthly total SO_2 emission rate and the 12-month rolling total SO_2 emission rate (TPY). **(Ref.: PSD Permit to Construct issued May 8, 2007)**
   Note: The result of the fuel analysis for total sulfur provides the basis for this calculation.

5. The permittee shall collect weekly fuel samples in an as-fired condition and analyze for total sulfur content. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

6. The permittee shall record the hourly fuel rate (MMscf/hr). The permittee shall also record the monthly total amount of fuel combusted and the total amount of fuel combusted per year (MMscf/yr) determined on a 12-month rolling total. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

7. *[Reserved]*

8. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average NO_x emission rate in lb/hr, as determined by the CEMS, and monthly, the 12-month rolling NO_x emission total in tons per year and lb/MMBTU. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

9. The permittee shall install, certify, calibrate, maintain, and operate the continuous emission monitoring system (CEMS) for monitoring and recording the concentration by volume (dry basis) of CO and O_2 emissions into the atmosphere. The CEMS shall meet the applicable performance specifications required by 40 CFR Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEMS at least once every three years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

10. The permittee shall record all data produced by the CEMS. The permittee shall also record hourly, the rolling 3-hour average CO emission rate in lb/hr, as determined by the CEMS, and monthly, the 12-month rolling CO emission total in tons per year and parts per million by volume on a dry basis, corrected to 3 percent oxygen. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

11. The permittee shall submit an excess emissions report for all periods of excess emissions according to the requirements of §60.7(c) except that the report shall contain the information specified below:

    (a) The date that the exceedance occurred;

    (b) An explanation of the exceedance;

    (c) Whether the exceedance was concurrent with startup, shutdown, or malfunction of an affected facility or control system; and

    (d) A description of the action taken, if any.

(e) A root-cause summary report that provides the information described in §60.108a(c)(6) for all discharges for which a root-cause analysis was required by §60.103a(b).

(f) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit. Operations of the control system and affected during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

(g) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

(Ref.: 40 CFR 60.108a(d))

12. The permittee shall install, operate, and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H_2S in the fuel gases before being burned in any fuel gas combustion device. The permittee shall install, operate, and maintain each H_2S monitor according to the requirements of §60.13(c) and Performance Specification 7 of Appendix B to 40 CFR Part 60. The permittee shall use Method 11, 15, of 15A of Appendix A-5 or Method 16 of Appendix A-6 to 40 CFR Part 60 for conducting relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 15A. The permittee shall comply with the applicable quality assurance procedures in Appendix F to 40 CFR Part 60 for each H_2S monitor. Fuel gas combustion devices having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H_2S in the fuel gas being burned. **(Ref.: 40 CFR 60.107a(a)(2))**

13. *[Reserved]*

14. *[Reserved]*

15. The permittee shall install, operate, calibrate, and maintain an instrument for continuously monitoring and recording the concentration (dry basis, 0 percent excess air) of NO_x emissions into the atmosphere. The monitor must include an O_2 monitor for correcting the data for excess air.

    (a) The permittee shall install, operate, and maintain each NO_x monitor according to the requirements in §60.13(c) and Performance Sepcification 2 of Appendix B to 40 CFR Part 60. The span value of this NO_x monitor shall be 200 ppmv NO_x. The permittee shall use Methods 7, 7A, 7C, 7D, or 7E of Appenidx A to 40 CFR Part 60 for conducting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 7 or 7C.

(b) The permittee shall install, operate, and maintain each O_2 monitor according to §60.13(c) and Performance Specification 3 of Appendix B to 40 CFR Part 60. The span value of this O_2 monitor must be selected between 10 and 25 percent, inclusive. Method 3, 3A, or 3B of Appendix A-2 to 40 CFR Part 60 shall be used for conduting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981 is an acceptable alternative to EPA Method 3B.

(c) The permittee shall comply with the quality assurance requirements in Procedure 1 of Appendix F to 40 CFR Part 60 for each NO_x and O_2 monitor, including quarterly accuracy determinations for NO_x monitors, annual accuracy determinations for O_2 monitors, and daily calibration drift tests

(Ref.: 40 CFR 60.107a(c))

16. The permittee shall record and maintain records of discharges greater than 500 lb SO_2 in excess of the allowable limits from any affected fuel gas combustion device. These records shall include:

(a) A description of the discharge.

(b) The date and time the discharge was first identified and the duration of the discharge.

(c) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quanitity for each 24-hour period. Engineering calculations are allowed for fuel gas combustion devices other than flares not complying with the alternative monitoring requirements in §60.107a(g).

(d) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emissions limit in §60.102a(g)(1), the measured concentration of H_2S in the fuel gas. Process knowledge can be used to make these estimates for fuel gas combustion devices other than flares.

(e) For each discharge greater than 500 lb SO_2 in excess of the applicable short-term emissions limit in §60.102a(g)(1), the cumulative quantity of H_2S and SO_2 released into the atmosphere. For releases controlled by flares, assume 99 percent conversion of reduced sulfur to SO_2. For fuel gas combustion devices, assume 99 percen conversion of H_2S to SO_2.

(f) The root-cause analysis and corrective action analysis conducted as required in §60.103a(d), including an identification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under § 60.103a(e).

(g) For any corrective action analysis for which corrective actions are required in § 60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

(h) For each discharge from any affected flare that is the result of a planned startup or shutdown of a refinery process unit or ancillary equipment connected to the affected flare, a statement that a root cause analysis and corrective action analysis are not necessary because the owner or operator followed the flare management plan.

(Ref.: 40 CFR 60.108a(c)(6))

5.CJ. CJ-000, Plant 23 Pressure Swing Adsorption (PSA) Unit Emission Points

5.CJ.1. Emission Point CJ-001

1. The permittee shall monitor the connectors in Plant 23 for leaks once per calendar year. Those connectors meeting the definition of inaccessible or unsafe-to-monitor, as defined in §63.174, are excluded. If the percentage of leaking connectors is less than 1 percent, the connector monitoring may be reduced to once every two years. If the percentage of leaking connectors is less than 0.5 percent, the connector monitoring may be reduced to once every four years. **(Ref.: PSD Permit to Construct issued May 8, 2007)**

SECTION 6. ALTERNATIVE OPERATING SCENARIOS

1. None permitted.

SECTION 7. TITLE VI REQUIREMENTS

The following are applicable or potentially applicable requirements originating from Title VI of the Clean Air Act – Stratospheric Ozone Protection. The full text of the referenced regulations may be found on-line at **http://ecfr.gpoaccess.gov** under Title 40, or DEQ shall provide a copy upon request from the permittee.

7.1 If the permittee produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart A – Production and Consumption Controls.

7.2 If the permittee performs service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners.

7.3 The permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart E – The Labeling of Products Using Ozone-Depleting Substances, for the following containers and products:

(a) All containers in which a class I or class II substance is stored or transported;

(b) All products containing a class I substance; and

(c) All products directly manufactured with a process that uses a class I substance, unless otherwise exempted by this subpart or, unless EPA determines for a particular product that there are no substitute products or manufacturing processes for such product that do not rely on the use of a class I substance, that reduce overall risk to human health and the environment, and that are currently or potentially available. If the EPA makes such a determination for a particular product, then the requirements of this subpart are effective for such product no later than January 1, 2015.

7.4 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction:

(a) Servicing, maintaining, or repairing appliances;

(b) Disposing of appliances, including small appliances and motor vehicle air conditioners; or

(c) Refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

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7.5 The permittee shall be allowed to switch from any ozone-depleting substance to any acceptable alternative that is listed in the Significant New Alternatives Policy (SNAP) program promulgated pursuant to 40 CFR Part 82, Subpart G – Significant New Alternatives Policy Program. The permittee shall also comply with any use conditions for the acceptable alternative substance.

7.6 If the permittee performs any of the following activities, the permittee shall comply with the applicable requirements of 40 CFR Part 82, Subpart H – Halon Emissions Reduction:

(a) Any person testing, servicing, maintaining, repairing, or disposing of equipment that contains halons or using such equipment during technician training;

(b) Any person disposing of halons;

(c) Manufacturers of halon blends; or

(d) Organizations that employ technicians who service halon-containing equipment.

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APPENDIX A

List of Abbreviations Used In this Permit

11 Miss. Admin. Code Pt. 2, Ch. 1.	Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants
11 Miss. Admin. Code Pt. 2, Ch. 2.	Permit Regulations for the Construction and/or Operation of Air Emissions Equipment
11 Miss. Admin. Code Pt. 2, Ch. 3.	Regulations for the Prevention of Air Pollution Emergency Episodes
11 Miss. Admin. Code Pt. 2, Ch. 4.	Ambient Air Quality Standards
11 Miss. Admin. Code Pt. 2, Ch. 5.	Regulations for the Prevention of Significant Deterioration of Air Quality
11 Miss. Admin. Code Pt. 2, Ch. 6.	Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act
11 Miss. Admin. Code Pt. 2, Ch. 7.	Acid Rain Program Permit Regulations for Purposes of Title IV of the Federal Clean Air Act
BACT	Best Available Control Technology
CEM	Continuous Emission Monitor
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COM	Continuous Opacity Monitor
COMS	Continuous Opacity Monitoring System
DEQ	Mississippi Department of Environmental Quality
EPA	United States Environmental Protection Agency
gr/dscf	Grains Per Dry Standard Cubic Foot
HP	Horsepower
HAP	Hazardous Air Pollutant
lbs/hr	Pounds per Hour
M or K	Thousand
MACT	Maximum Achievable Control Technology
MM	Million
MMBTUH	Million British Thermal Units per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emissions Standards For Hazardous Air Pollutants, 40 CFR 61 or National Emission Standards For Hazardous Air Pollutants for Source Categories, 40 CFR 63
NMVOC	Non-Methane Volatile Organic Compounds
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards, 40 CFR 60
O&M	Operation and Maintenance
PM	Particulate Matter
PM_{10}	Particulate Matter less than 10 μm in diameter
ppm	Parts per Million
PSD	Prevention of Significant Deterioration, 40 CFR 52
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TPY	Tons per Year
TRS	Total Reduced Sulfur
VEE	Visible Emissions Evaluation
VHAP	Volatile Hazardous Air Pollutant
VOC	Volatile Organic Compound

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APPENDIX C

EMISSION POINTS AD-036, AN-098, AN-427, AP-123, AP-125, & BB-170
DISTILLATION PROCESS VENTS ALTERNATIVE MONITORING PLAN

(EPA Letter Dated February 19, 2003)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

FEB 19 2003

4APT-ATMB

Jerry W. Cain, P.E., DEE
Chief
Environmental Permits Division
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

Dear Mr. Cain:

We have received your January 17, 2003, letter forwarding a request by Chevron Products Company, Pascagoula Refinery for a waiver of performance test requirements pursuant to §60.8(b)(4) and for alternative monitoring requirements pursuant to §60.13(i) of 40 CFR Part 60 Subpart A. Chevron's request, dated January 13, 2003, relates to sources subject to New Source Performance Standards (NSPS) Subpart NNN - "Standards of Performance for Volatile Organic Compound Emissions From Synthetic Organic Manufacturing Industry (SOCMI) Distillation Operations." Based on our review of Chevron's request as described below and previous determinations made by the Environmental Protection Agency (EPA), we are approving the company's request for a waiver of performance test requirements and for alternative monitoring requirements.

As described in Chevron's letter, there are approximately ten distillation units in the refinery's Aromax, Ethylbenzene, Methyl tert-butyl ether, and Paraxylene chemical production areas and two additional distillation units within the petroleum refining process that are affected facilities under Subpart NNN. Chevron has requested permission to use the compliance procedures provided in NSPS Subpart RRR - "Standards of Performance for Volatile Organic Compound Emissions From SOCMI Reactor Processes" to demonstrate compliance for those emission sources that are subject to Subpart NNN. Of the 12 distillation systems, four systems vent gas streams only to the fuel gas system that serves the refinery. Four other systems can vent the gas streams to either the fuel gas system or to a flare system. The gas streams from the four distillation systems in the Paraxylene plant are normally routed as a feed stream to the Ethylbenzene plant, but are also combusted as fuel when the Ethylbenzene plant is down or cannot accept the feed. When vented to the fuel gas system, these gas streams are mixed with a number of other gas streams, including pipeline natural gas. The fuel is distributed throughout the refinery for consumption in boilers and process heaters. Some of the boilers and process heaters have a design heat input capacity of 150 million British Thermal Units Btu/hour or greater, and others have a design heat input capacity of less than 150 million Btu/hour. In each case, the mixed gas stream from the fuel gas system constitutes the primary fuel and is introduced into the flame zone of the boiler or process heater.

Subpart NNN at §60.662(a) allows an owner/operator of an affected facility to comply with the standard by reducing the total emissions of total organic compounds (TOC) in the gas stream by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to three percent oxygen. If a boiler or process heater is used to comply, the vent gas stream must be introduced into the flame zone of the boiler or process heater. The terms "boiler" and "process heater" are defined under §60.661 of Subpart NNN. NSPS Subpart RRR at §60.702(a) includes the same emission standards. However, Subpart RRR allows more flexibility regarding performance testing and monitoring. The waiver of an initial performance test and the particular sections of Subpart NNN for which Chevron is requesting an alternative monitoring procedure are described below, along with the corresponding requirements under Subpart RRR which Chevron desires to use.

Subpart NNN at §60.664(b)(5) waives the initial performance test requirement when a boiler or process heater with a design heat input capacity of 150 million Btu/hour or greater is used to comply with §60.662(a). The corresponding section under Subpart RRR, §60.704(b)(5), waives the requirement for an initial performance test under the same conditions provided under Subpart NNN and also waives the requirement for an initial performance test when a vent stream is introduced into a boiler or process heater with the primary fuel. Chevron has requested that the waiver of the initial performance test provided in Subpart RRR be allowed for Subpart NNN affected facilities for vent streams introduced into a boiler or process heater with the primary fuel.

For affected facilities that comply with §60.662(a) by using a boiler or process heater, Subpart NNN at §60.663(c)(1) requires the installation of a flow indicator that provides a record of vent stream flow to the boiler or process heater at least once every hour. The corresponding section under Subpart RRR, §60.703(c)(1), requires a flow indicator only on any bypass line that may divert the vent stream from the boiler or process heater. That section of Subpart RRR also indicates that no flow indicator is required if the bypass line is secured in the closed position with a car-seal or lock-and-key type configuration. Chevron has proposed to use the requirement of §60.703(c)(1) in Subpart RRR as alternative monitoring for §60.663(c)(1) of Subpart NNN.

Subpart NNN at §60.663(c)(2) requires a temperature monitoring device in the firebox equipped with a continuous recorder if the vent stream is combusted in a boiler or process heater with a design heat input capacity of less than 150 million Btu/hour. The corresponding section under Subpart RRR, §60.703(c)(2), does not require a temperature monitoring device if the vent stream is introduced with the primary fuel into a boiler or process heater. Chevron has requested that no temperature monitoring device be required for their Subpart NNN affected facilities whose vent streams are introduced with the primary fuel, since none is required under Subpart RRR. Subpart NNN at §60.663(c)(3) also requires that periods of operation of the Subpart RRR boiler or process heater be monitored and recorded if the design heat input capacity is 150 million Btu/hour or greater. There is no such requirement under Subpart RRR, and Chevron has requested that Subpart RRR be used as an alternative for this Subpart NNN requirement for monitoring and recording periods of operation.

The rationale for determining that temperature monitoring and performance testing for boilers and process heaters combusting vent streams as primary fuel were not warranted under NSPS Subpart RRR is presented in the Federal Register preamble for the standard (58 FR 45957; August 31, 1993). Based on the performance of boilers and process heaters, the preamble indicates that it is believed that they would already be achieving the performance levels required by the standards, and no performance testing and temperature monitoring requirements are necessary to ensure compliance. The preamble to Subpart RRR also discusses the flow monitoring requirements for vent streams used as primary fuel in boilers and process heaters and indicates that the use of flow indicators was being altered (from that required under Subpart NNN) to indicate those times when the vent stream is being diverted to the atmosphere. The flow monitoring requirements under Subpart RRR were considered to be more appropriate than those under Subpart NNN for meeting the intent of flow monitoring requirements.

Pursuant to 40 CFR 60.13(i), we are approving the provisions of NSPS Subpart RRR at §60.703(c)(1) and (c)(2) as alternative monitoring for the provisions of NSPS Subpart NNN at §60.663(c)(1), (c)(2), and (c)(3). Chevron must comply with the Subpart RRR record keeping and reporting requirements at §60.705(d)(1), (d)(2), (l)(2), and (l)(7). Pursuant to 40 CFR 60.8(b), we are also approving a waiver of the requirement for an initial performance test for vent streams introduced into a boiler or process heater with the primary fuel. This approval of the alternate monitoring requirements and the waiver of an initial performance test are consistent with previous determinations made by EPA for Subpart NNN affected facilities.

If there are any questions regarding this letter, please contact Keith Goff of the EPA Region 4 staff at (404) 562-9137.

Sincerely,

Beverly H. Banister

Beverly H. Banister
Director
Air, Pesticides, and Toxics
Management Division

APPENDIX D

EMISSION POINT AH-051 (F-1603), FCC CATALYST REGENERATOR MONITORING ALLOWANCE

(EPA Letter Dated January 31, 2005)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

JAN 31 2005

4APT-AEEB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Rhonda L. Yoder
Safety, Environmental and Health Manager
ChevronTexaco Products Company
Chevron Pascagoula Refinery
P.O. Box 1300
Pascagoula, MS 39568-1300

Dear Ms. Yoder:

This is in response to your letter dated December 15, 2004, requesting an alternative monitoring plan to comply with 40 CFR §60.104(b)(3). This correspondence only addresses the frequency of sampling requested by the Pascagoula refinery and does not address the alternative test method.

Region 4 cannot approve your request for an alternative test method as that authority has not been delegated to the Region by EPA Headquarters. You should have received a letter from Dr. Conniesue Oldham, leader of the Source Measurement Technology Group, dated December 28, 2004, addressing this request. A copy is enclosed.

With regard to your request for an alternative frequency of sampling, 40 CFR §60.106(j) requires that refinery owners and operators choosing to comply with the Fluidized Catalytic Cracking Unit (FCCU) feed sulfur limit in 40 CFR §60.104(b)(3) collect a fresh feed sample once per eight-hour period. According to your letter, the Pascagoula refinery is requesting approval to collect samples once every 12 hours. Furthermore, your letter states that the refinery operates on a 12-hour shift schedule, and collecting one sample per shift would be logistically simpler. According to the Federal Register notice promulgating the FCCU feed sampling frequency in New Source Performance Standard Subpart J (40 FR 2058, January 17, 1984), EPA determined that sampling the FCCU feed every hour would not be practical, and an eight-hour sampling frequency was specified in the final rule to ensure that feed samples would be collected once per operating shift. Since the Pascagoula refinery operates on a 12-hour shift schedule, the alternative sampling frequency proposed by the company would not conflict with the intent of the rule. Therefore, your request to sample the FCCU feed stream once per 12-hour operating shift is approved.

Should you have further questions regarding this determination, plea. Wendell Reed at (404) 562-9215.

Sincerely,

Beverly H. Banister
Director
Air, Pesticides and Toxics Managemen

Enclosure

cc: Dwight K. Wylie, P.E., Chief
Air Division
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

Don Watts
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, Mississippi 39289-0385

APPENDIX E

EMISSION POINTS AZ-001 & AZ-002, MARINE VESSEL LOADING MAINTENANCE ALLOWANCE

(MDEQ Letter Dated October 29, 1999)
(Chevron Letter Dated October 14, 1999)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
James I. Palmer, Jr., Executive Director

October 29, 1999

Mr. N. J. Szydlowski
Refinery General Manager
Chevron USA, Inc.
P.O. Box 1300
Pascagoula, MS 39568-1300

Dear Mr. Szydlowski:

Re: Chevron USA, Inc.
Facility No. 1280-00058
Pascagoula, Mississippi

We have received your October 14, 1999, letter in which you responded to comments about the proposed maintenance allowance request. We feel that your responses on these issues are sufficient to address our concerns. We also expect your responses to be followed as part of Chevron's maintenance allowance implementation.

After review of your request and clarifying responses, we agree to your maintenance allowance request of 50 days annually for the Main Product Dock and 30 days annually for Berth 6. As with all applicable NESHAP requirements, this maintenance allowance will need to be addressed in your initial Title V operating permit. At time of reissuance of your Title V permit, a new maintenance allowance request should be submitted for approval. If you have questions concerning your operation under this maintenance allowance or any questions regarding Subpart Y, please feel free to contact me at (601) 961-5672.

Sincerely,

Scott Hodges
Air Toxics Branch

cc: Mrs. Susan Bell
Chevron USA, Inc.

K:\DOCS\airtoxic\TEMP\102899.wpd

OFFICE OF POLLUTION CONTROL
P.O. Box 10385 Jackson, MS 39289-0385 Phone 601.961.5171 Fax 601.354.6612

Chevron

October 14, 1999

Pascagoula Refinery
P. O. Box 1300
Pascagoula, MS 39568-1300

N. J. Szydlowski
Refinery General Manager
Phone 228-938-4600

CERTIFIED MAIL RETURN
RECEIPT NO. Z 538 247 389

Mr. Scott Hodges
MS Department of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

Marine Vapor Recovery Project
Response to Comments: Maintenance Allowance Request

Dear Mr. Hodges:

We received your comments on our request for a maintenance allowance according to the provisions in the National Emission Standards for Hazardous Air Pollutants for Marine Tank Vessel Loading Operations, 40 CFR Part 63 Subpart Y. We welcome the opportunity to respond to these comments.

Comment 1) The regulation states that during maintenance times Chevron should endeavor to reduce emissions from the loading operations. Whenever possible, does Chevron intend to isolate the equipment being maintained or repaired so that the MVR unit can continue vapor recovery from other simultaneous loadings at the wharf? Also, whenever equipment in one of the two Skids (A or B) at the Main Product Dock is being maintained or repaired, will all possible vapors be routed to the operable Skid?

Response 1) Yes, the Pascagoula Wharf facilities will isolate equipment needing repair and continue to operate the MVR unit whenever possible to minimize emissions to the air, as required by 40 CFR 63.562(b)(6)(i-vi) and 63.562(c)(6)(i-vi).

Comment 2) What will Chevron be considering as a "maintenance day"? Anytime vapors are vented during marine vessel loading because of maintenance or repair being done to the MVR equipment some of the maintenance allowance is expended. But does each repair constitute a "maintenance day"? For example, when two or more pieces of equipment are undergoing overlapping maintenance, would Chevron consider each repair as a separate "maintenance day" or as part of the same "maintenance day"?

Response 2) We consider a maintenance day to be based on clock hours, not barrels loaded or pieces of equipment undergoing repair. Due to the wide range of loading times required for varying vessel sizes, we would like to measure maintenance periods in hours, not days. Anytime vapors are vented during marine vessel loading because of maintenance or repair, the maintenance allowance clock would begin and continue until repairs are complete, and the MVR skids are operable. Chevron is requesting 1,200 hours per year as a maintenance allowance.

Comment 3) Does your maintenance allowance plan provide for notification to our office of when and how much of the maintenance time is used? If so, will this notification satisfy the requirements of the regulation by providing an estimation of emissions vented from the loading berth during the maintenance allowance time?

Response 3) We propose including the maintenance allowance notifications in the Periodic Report per 40 CFR 63 Subpart CC National Emission Standards for Organic Hazardous Air Pollutants from Petroleum Refineries (Refinery MACT). (Reference letter L. G. Bloom – Scott Mills 9/13/99). The notification would include the number of hours expended in the current maintenance allowance period, the total hours expended for the year, and an estimate of emissions during the allowance period.

Comment 4) Does Chevron intend to submit a revised maintenance allowance request for the MVR once historical data on required maintenance of this unit has been established? If so, how often would Chevron feel this plan should be revised and reviewed?

Response 4) We agree that a review of the maintenance allowance after historical data has been established is warranted. We propose reviewing the maintenance allowance plan during renewal of the Title V operating permit.

If you have any questions, or require further information please contact Ms. Susan Bell at (601) 934-7063.

Very truly yours,

Jhlo/cws

Enclosure

cc: Mr. Jody Lindsey
Mississippi Department of Environmental Quality
Office of Pollution Control - Air Division
Post Office Box 10385
Jackson, Mississippi 39289-0385

APPENDIX F

EMISSION POINT BT-541 (KGT – 8650), GAS TURBINE ALTERNATIVE MONITORING PLAN

(MDEQ Letter Dated April 26, 2006)
(Chevron Letter with Attached Monitoring Plan Dated April 10, 2006)

.

Recd 5/1/06

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

April 26, 2006

Ms. Rhonda Yoder
Safety, Environmental & Health Manager
Chevron Products Company, Pascagoula Refinery
P.O. Box 1300
Pascagoula, MS 39568-1300

Re: Chevron Products Company, Pascagoula Refinery
Monitoring Plan for KGT-8650 Exhaust to Atmosphere
Air Ref. No.1280-00058
Jackson County

Dear Ms. Yoder:

The plan to monitor KGT-8650 (Emission Point BT-541) turbine exhaust to the atmosphere required by the Clean Fuels Project PSD Construction Permit and submitted April 10, 2006, meets the requirements of the permit and is therefore approved by the MDEQ. The plan shall be implemented immediately and any instances of permit deviations shall be recorded and reported as required by the permit.

If you have any questions or concerns, please contact me at (601) 961-5235.

Sincerely,

Carla Brown

Carla Brown
Chemical Branch
Environmental Permits Division

cc: Mr. John Lowe, Chevron ←THIS COPY FOR
Mr. Scott Mills, ECED/MDEQ

2299 PER20040001

JHLo

Chevron

Rhonda L. Yoder
Safety, Environmental & Health Manager

Chevron Products Company
Chevron Pascagoula Refinery
P. O. Box 1300
Pascagoula, MS 39568-1300
Tel 228-938-4418
Fax 228-938-4682

April 10, 2006

CERTIFIED MAIL RETURN
RECEIPT NO. 7004 1350 0005 2982 2439

Ms. Carla Brown
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385

MONITORING PLAN FOR KGT-8650 EXHAUST TO ATMOSPHERE
FACILITY NO. 1280-00058

Dear Ms. Brown:

Enclosed is the Monitoring Plan for KGT-8650 Exhaust to Atmosphere (Emission Point No. BT-541) required by the October 11, 2005 Revision to the Permit to Construct for the Clean Fuels Project.

Please contact Mr. John Lowe at (228) 938-4363 or John.Lowe@Chevron.com if you have any questions or concerns.

Very truly yours,

Rhonda L. Yoder

JHLo/cws

Enclosure

cc: Mr. Scott Mills
MSDEQ
Office of Pollution Control
P. O. Box 10385
Jackson MS 39289 0385

CERTIFIED MAIL RETURN
RECEIPT NO. 7004 1350 0005 2982 2385

Emission Point No. BT-541
Monitoring Plan for KGT-8650 Exhaust to Atmosphere

The plan is required by the October 11, 2005 Revision to the Permit to Construct for the Clean Fuels Project to contain the following:

(i) *The specific operating parameter(s) to be monitored (e.g. damper valve position).*

The specific operating parameter to be monitored is the louver position for KGT-8650 Exhaust to Atmosphere (86HC316).

(ii) *The relationship between the monitored parameter(s) and the gas turbine exhaust flow vented to the atmosphere.*

% Turbine Exhaust to Atmosphere = 86HC316 * 0.4012

(iii) *All measurement techniques used and sampling locations, if relevant.*

The above relationship was determined by measuring duct flow downstream of the vent to atmosphere as the louver was opened. An initial turbine exhaust flow measurement was done and the turbine natural gas rate was monitored during the test. The flow measurements were done according to 40 CFR 60 Appendix A Methods 1, 2, 3A and 4.

(iv) *The basis for all calculations performed or equations derived relating the parameter(s) to the gas turbine exhaust flow.*

The flow data and the regression analysis are in the attached Hydrogen III Turbine (KGT-8650) Exhaust to Atmosphere at Louver Position Study.

If the plan is approved, the permittee shall maintain records of those instances when gas turbine exhaust is vented to the atmosphere and the percent gas turbine exhaust vented to the atmosphere. The permittee shall report any instances when the gas turbine exhaust vented to the atmosphere exceeds 35% on a 12-month rolling average basis in the semiannual report required by Part III, Condition 9.

APPENDIX G

EMISSION POINT BH-035 (C-6450), ETHYLENE GLYCOL CONDENSER WITH METHANOL SCRUBBER ALTERNATIVE MONITORING PLAN

(Chevron Letter Dated September 8, 1999)

September 8, 1999

Pascagoula Refinery
P. O. Box 1330
Pascagoula, MS 39568-1330

N. J. Szydlowski
Refinery General Manager
Phone 228-939-4600

CERTIFIED MAIL RETURN
RECEIPT NO. Z 538 247 364

Mr. Scott Mills
Enforcement and Compliance Division, Office of Pollution Control
Mississippi Department of Environmental Quality
P. O. Box 10385
Jackson, MS 39289-0385

Notification of Compliance Status
Hydrogen Plant Glycol Regeneration Still Vent
Emission Point AA-234, Facility No. 1280-00058

Dear Mr. Mills:

Chevron is submitting two copies of the performance test report for the E-6448/D-6450 Control Device. The test was performed on July 22, 1999. This submission fulfills the obligations in:

> *40 CFR 63.654(f)(1)(iii) For miscellaneous process vents controlled by control devices required to be tested under §63.645 of this subpart and §63.116(c) of Subpart G of this part, performance test results including the information in paragraphs (f)(1)(iii)(A) and (B) of this section*

The efficiency of the E-6448/D-6450 control device is as follows:

Run	Methanol only basis	HAP basis
1	99.98%	99.99%
2	99.99%	99.99%
3	99.99%	99.99%
Average	99.99%	99.99%

SESRU # 88-1801

CENTRAL RECORDS COPY

This performance test established the following minimum flowrate for the water going to the methanol scrubber:

Run	Average Scrubber flow, gpm 64-FI-1135
1	2.33
2	2.35
3	2.30
Average	2.33

The operating day for this parameter is from 0400 hours to 400 hours.

Please contact Mr. John Lowe at (228) 938-4363 or jlow@chevron.com if you have any questions.

Very truly yours,

JHLo/ows

cc: Mr. Scott Hodges (w/o attachment)
Air Toxics Branch, Office of Pollution Control
Mississippi Department of Environmental Quality
P. O. Box 10385
Jackson, MS 39289-0385

bcc: Jason Myers (w/o attachment)
Cubix Corporation
9225 US Hwy 183 South
Austin, TX 78747

M. L. Hammons (w/o attachment)
M. E. Harris/ M. J. Parks
R. D. Phillips/L. C. Stewart
W. L. Porter (w/o attachment)
S. R. Thomas (w/o attachment)
Central Records File 584.061

SF&IF # 88-1801

CENTRAL RECORDS COPY

APPENDIX H

EMISSION POINTS AX-082 (MEROX REGENERATOR VENT) & BE-211 (F-6101)
FURNACE ALTERNATIVE MONITORING PLAN

(EPA Letter Dated November 8, 2006)
(Chevron Letter with Attached Monitoring Plan Dated July 31, 2006)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

NOV 0 8 2006

4APT-ATMB

Maya Rao, Chief
Air Division
Office of Pollution Control
MS Department of Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385

Dear Ms. Rao:

The purpose of this letter is to provide you with a written determination regarding an alternative monitoring proposal that the Chevron Products Company (Chevron) submitted for a fuel gas stream that is currently routed to the No. 4 Flare at its Pascagoula, Mississippi refinery. This fuel gas steam is generated in the Light Ends Recovery II Unit at the refinery, and the stream is subject to a hydrogen sulfide (H_2S) concentration limit under 40 CFR Part 60, Subpart J (Standards of Performance for Petroleum Refineries). As an alternative to continuously monitoring the H_2S content of this fuel gas stream, Chevron has proposed to monitor the strength of the solution used in the Light Ends Recovery II Unit's caustic scrubber. Based upon our review, the proposed monitoring alternative is acceptable. Details regarding the company's proposal and the basis for our determination are provided in the remainder of this letter.

The Light Ends Recovery II Unit produces a sweetened liquid petroleum gas by removing sulfur compounds from various sour gas stream generated at the Pascagoula refinery. This sulfur removal process uses a diethanolamine (DEA) scrubber to absorb the majority of the H_2S in the sour gas streams. Trace amounts of H_2S in the stream leaving the DEA scrubber are removed in the Unit's D-4052 Caustic Treater, and mercaptans in the stream leaving the caustic treating unit are removed using a Merox caustic treating and absorption unit. The fuel gas stream covered by Chevron's alternative monitoring request is generated when mercaptides are converted into disulfide oils by injecting process air into the stream exiting the Merox unit. This off gas stream is currently mixed with refinery fuel gas and flared, but future projects proposed by Chevron include rerouting the off gas stream to the F-6101 furnace at the refinery.

Under provisions in Subpart J, the H_2S concentration of the vent stream leaving the oxidation process downstream of the Merox Unit would have to be continuously monitored if the off stream is burned in the F-6101 furnace. As an alternative to monitoring the H_2S concentration of this off gas stream, Chevron submitted a proposal to monitor the strength of the solution used in the D-4052 Caustic Treater. Included with

this request were the results of daily H_2S concentration monitoring conducted downstream of the mercaptide oxidation unit over a two-week period. Chevron also monitored the strength of the solution in the D-4052 Treater on a daily basis over this same time period. No H_2S was detected in any of the 15 vent stream samples collected by Chevron, and over the course of this monitoring period, the caustic in the D-4052 Treater was between 54.4 and 79.6 percent spent. Based upon the results of this monitoring, Chevron proposed to monitor the caustic solution in D-4052 Treater on a daily basis and maintain a percent spent level of no more than 80 percent.

Since the monitoring data supplied by Chevron indicate that no H_2S was present in the mercaptide oxidizer vent stream when the caustic percent spent level in the D-4062 Treater were as high as 79.6 percent, the alternative monitoring parameter and operating limit proposed by the company are acceptable to the U.S. Environmental Protection Agency (EPA) Region 4. As one condition for approval of this alternative monitoring approach, Chevron must amend the proposal to clarify what it will do if the daily monitoring indicates that the caustic in the D-4052 Treater is more than 80 percent spent. One acceptable option would be to report any day when the caustic percent spent level exceeds 80 percent as a period of excess emissions, and another acceptable option would be to measure the H_2S concentration in the vent downstream of the mexcaptide oxidizer on any day when the caustic in the D-4052 Treater is more than 80 percent spent. If the second option is chosen, any day when the H_2S concentration in the vent stream exceeds the applicable limit in Subpart J would be considered a period of excess emissions.

If you have any questions about the determination provided in this letter, please contact Mr. David McNeal of the EPA Region 4 staff at (404) 562-9102.

Sincerely,

Carol L. Kemker for

Beverly H. Banister
Director
Air, Pesticides and Toxics
Management Division

cc: Scott Mills
MS Department of Environmental Quality

Kristi A. Mitchum
Chevron Products Company

Rhonda L. Yoder
Safety, Environmental, Health
& Plant Protection Manager

Chevron Products Company
Chevron Pascagoula Refinery
P. O. Box 1300
Pascagoula, MS 39568 1300
Tel 228-938-4418
Fax 228-938-4682

Chevron

July 31, 2006

CERTIFIED MAIL RETURN
RECEIPT NO. 7004 1160 0003 3047 6028

Mr. Scott Mills
Mississippi Department of Environmental Quality
Office of Pollution Control
P. O. Box 10385
Jackson, MS 39289-0385

ALTERNATIVE MONITORING PLAN
NSPS SUBPART J REQUEST

Dear Mr. Mills:

As allowed per 40 CFR 60.13(i), this letter is being submitted to request approval of Chevron Pascagoula Refinery's alternative monitoring plan for a stream regulated by the sulfur dioxide emission limit in 40 CFR §60.104(a)(1). The alternative monitoring plan includes the necessary data requested by the US EPA in the guidance titled, "Alternative Monitoring Plan for NSPS Subpart J Refinery Fuel Gas". The plan and system diagram are attached.

If you have any questions concerning this request, please contact Ms. Kristi Mitchum at (228) 934-7678.

Very truly yours,

RLY/KAM

Rhonda L. Yoder

KAM/cws

Attachment

Alternative Monitoring Plan
Chevron Pascagoula Refinery
8/1/2006

1. Description of System & History
   The Light Ends Recovery II Unit (LER 2) is designed to feed sour off-gases from various sources in the refinery, separate out sour gas, treat liquefied petroleum gas (LPG) for hydrogen sulfide (H_2S) and mercaptans, and finally, distill the sweetened LPG. As part of the Merox™ caustic process in the treating section, a vent gas stream is generated. Air is injected into the process for oxidation and the remaining off-gas, composed of oxygen, nitrogen, and some sweet LPG, is extracted as the vent gas. Currently, this stream is being routed to the #4 flare.

   The treating section involves a multi-step process to sweeten the LPG. To remove H_2S from the sour LPG during the treating process, both a DEA absorber and caustic are used. First, the DEA absorbs the majority of the H_2S present. Second, caustic is used to extract the trace amounts of H_2S left over from the DEA absorber. This caustic is batch loaded by operations into the caustic treater (D-4052). Third, the Merox™ caustic solution further treats the LPG stream by converting the mercaptans present into disulfide oils. Mercaptans are extracted by the Merox™ caustic solution as sodium mercaptides. Next is the oxidation step, during which process air is injected into the mixture to oxidize the mercaptides into disulfide oils. The resulting excess air (vent gas) is routed to relief. To ensure that the oxygen content in the vent gas is not in an explosive or corrosive range, the vent gas stream is combined with refinery fuel gas (RFG) to dilute the oxygen. The system diagram is shown in Figure 1.

   Future projects propose to reroute the off-gas to the F-6101 furnace which would be subject to the sulfur oxides standard of §60.104(a)(1) and require the installation of a continuous monitoring device per §60.105(3). In lieu of a continuous monitoring device, Chevron proposes performing alternative monitoring of the spent caustic in the caustic treatment process in order to ensure compliance with the 0.10 grams of hydrogen sulfide (H_2S) per dry standard cubic feet of RFG.

2. Crossover/Entry Points
   There are no crossover or entry points where sour gas can be introduced into the process stream or system. The RFG is added to the vent stream for safety purposes and is monitored for H_2S using a continuous emission monitoring system (CEMS) as required by NSPS Subpart J.

3. Process Conditions
   The caustic in this system is responsible for removing the trace amount of H_2S molecules present in the LPG stream. If the caustic strength is at sufficient levels to absorb the H_2S, then there is limited possibility of H_2S remaining in the vent gas.

4. Test Results Data
   Vent gas sampling was conducted from March 18-30 and April 2-4, 2006. The sample location is shown in Figure 1. Detector tube monitoring was performed following the Gas Processor Association's: Test for Hydrogen Sulfide and Carbon Dioxide in Natural

Gas Using Length of Stain Tubes, 1986 Revision. The results of these analyses are summarized in Table 1.

Table 1. Daily H_2S & Spent Caustic Data

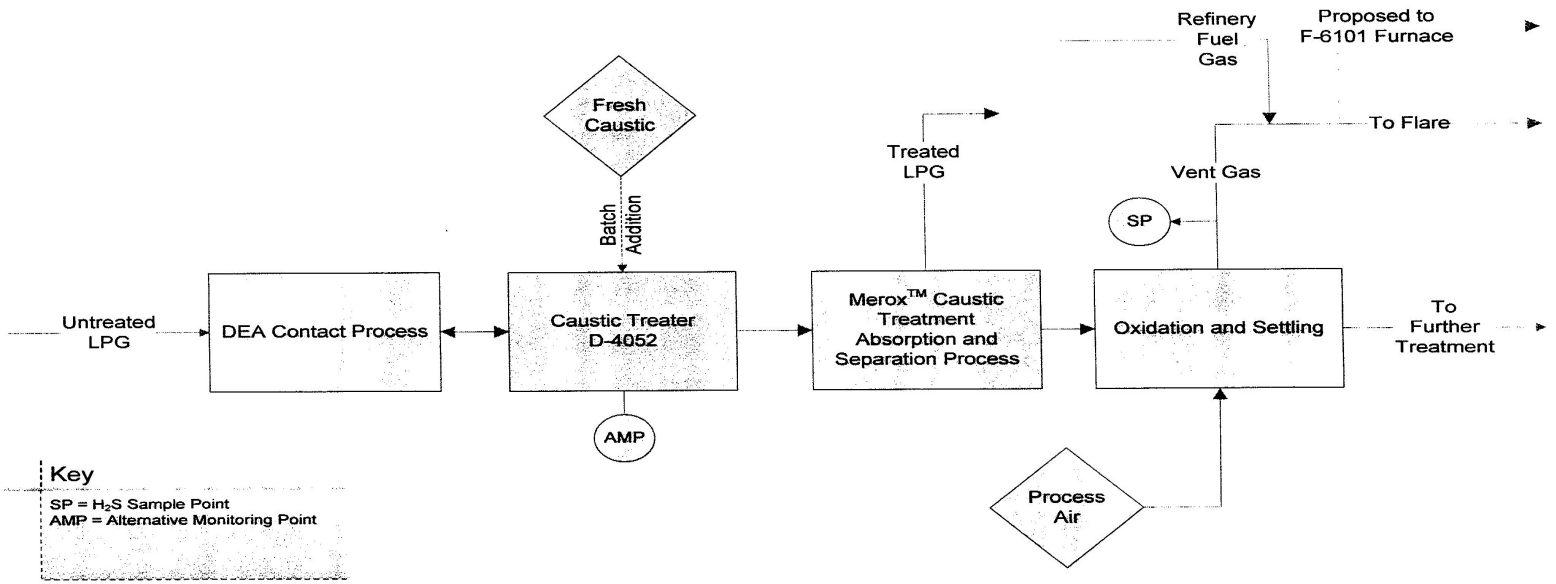
Date of Sample	H_2S Result (ppm)	D-4052 Utilization % Caustic Spent
3/18/2006	0	54.4
3/19/2006	0	55.2
3/20/2006	0	56.8
3/21/2006	0	58.5
3/22/2006	0	59.0
3/23/2006	0	58.7
3/24/2006	0	60.0
3/25/2006	0	61.0
3/26/2006	0	62.0
3/27/2006	0	62.8
3/28/2006	0	63.9
3/29/2006	0	64.8
3/30/2006	0	72.0
4/2/2006	0	74.0
4/3/2006	0	74.4
4/4/2006	0	79.6

5. Test Results Discussion
   As shown in Table 1, the two weeks of daily detector tube results showed no presence of H_2S in the vent gas stream. Operations during this time frame were normal and are representative of typical process conditions.

6. Process Parameter Indicator
   Chevron proposes to monitor the percent caustic spent in the caustic treatment process to ensure low H_2S concentration in the vent gas going to the F-6101 furnace. The location of the proposed sampling point is shown in Figure 1.

7. Proposed Process Parameter Limit
   Chevron proposes to maintain the spent caustic to a maximum of 80 percent. As indicated in the data shown in Table 1, this value ensures that the caustic is able to absorb the trace amounts of H_2S in the vent gas stream. Sampling of the spent caustic will be performed daily while the unit is in operation. If the unit is taken down for unscheduled or planned maintenance, the vent gas will not be sent to F-6101 furnace and sampling will not be required.

Figure 1. LER II Merox Treating Section, Chevron Pascagoula Refinery



APPENDIX I

EMISSION POINT AS-200, AS-204, AS-205, AS-210, AS-211, AS-212, AS-213, AS-214, AS-502, AS-503, AS-504, AS-505, AS-506, AS-507, & AS-508 (BLACK OIL STORAGE TANKS), SULFATREAT H2S MONITORING PLAN

(Chevron Letter with Attached Plan Dated March 23, 2009)

.

Susan C. Bell
Environmental & Corrective Action Team Leader

Chevron Products Company
Chevron Pascagoula Refinery
P. O. Box 1300
Pascagoula, MS 39568-1300
Tel 228-934-7063
Fax 228-938-4662

March 23, 2009

CERTIFIED MAIL RETURN
RECEIPT NO. 7006 0810 0004 8242 1579
Mr. Toby Cook
Mississippi Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

Sulfatreat H2S Monitoring Plan
Facility No. 1280-00058

Dear Mr. Cook:

Please find attached a H2S Monitoring Plan for the Sulfatreat Control Systems for 15 storage tanks, proposed Title V source nos. AS-200, AS-204, AS-205, AS-210, AS-211, AS-212, AS-213, AS-214, AS-502, AS-503, AS-504, AS-505, AS-506, AS-507, and AS-508. The systems were installed as an alternative control to comply with the state requirement of 16 ppm H2S standard. We would like your approval of this monitoring plan to be incorporated into the refinery's Title V Operating Permit.

Please contact Ms. Kristi Mitchum at (228) 934-7678 or Kristi.Mitchum@Chevron.com if you have any questions or concerns.

Regards,

Susan C. Bell

Susan C. Bell
KAM/alw

Enclosure

cc: **CERTIFIED MAIL RETURN**
RECEIPT NO. 7006 0810 0004 8242 1586
Mr. Les Herrington
MS Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

CERTIFIED MAIL RETURN
RECEIPT NO. 7006 0810 0004 8242 1593
Ms Carla Brown
MS Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

CERTIFIED MAIL RETURN
RECEIPT NO. 7006 0810 0004 8242 1609
Mr. Chad LaFontaine
MS Department of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

Hydrogen Disulfide (H2S) Monitoring Plan
for the
Sulfatreat Control Systems
Chevron Pascagoula Refinery

1. Background

1.1. Description

Currently, the Chevron Pascagoula Refinery has five (5) Sulfatreat Systems which control H2S emissions from 15 storage tanks.

1.2. Emission Sources

Emission Source	MDEQ Point No.	Pollutant	Limitation	Emission Control Technique
T-200	AS-200	H2S	1 grain per 100 scf	Sulfatreat System (D-3436)
T-204	AS-204	H2S	1 grain per 100 scf	Sulfatreat System (D-3437A)
T-205	AS-205	H2S	1 grain per 100 scf	Sulfatreat System (D-3439)
T-210	AS-210	H2S	1 grain per 100 scf	Sulfatreat System (D-3436)
T-211	AS-211	H2S	1 grain per 100 scf	Sulfatreat System (D-3437A)
T-212	AS-212	H2S	1 grain per 100 scf	Sulfatreat System (D-3437A)
T-213	AS-213	H2S	1 grain per 100 scf	Sulfatreat System (D-3437A)
T-214	AS-214	H2S	1 grain per 100 scf	Sulfatreat System (D-3439)
T-502	AS-502	H2S	1 grain per 100 scf	Sulfatreat System (D-3435A)
T-503	AS-503	H2S	1 grain per 100 scf	Sulfatreat System (D-3435A)
T-504	AS-504	H2S	1 grain per 100 scf	Sulfatreat System (D-3435A)
T-505	AS-505	H2S	1 grain per 100 scf	Sulfatreat System (D-3435A)
T-506	AS-506	H2S	1 grain per 100 scf	Sulfatreat System (D-3434A)
T-507	AS-507	H2S	1 grain per 100 scf	Sulfatreat System (D-3434A)
T-508	AS-508	H2S	1 grain per 100 scf	Sulfatreat System (D-3434A)

1.3. Applicable Regulations, Emission Limits, and Monitoring Requirements

These systems are subject to APC-S-1 4.2(b).

1.4. Control Technology

As an equivalent means of control of H2S emissions, Chevron has installed Sulfatreat Systems for the absorption of H2S emissions from the applicable tanks. Three Sulfatreat systems (D-3434A, D-3435A, and D-3437A) are equipped with a primary control capacity of approximately 10,000 lbs. of Sulfatreat material. These systems also have the capability to swap to a secondary control with a capacity of approximately 2,000 lbs. of Sulfatreat material. The remaining 2 Sulfatreat systems (D-3436 and D-3439) are equipped with only a primary control container with the capacity of 2,000 lbs. of Sulfatreat material. These systems control tanks that are used for fuel blending only and can cease tank movements if necessary.

2. Monitoring Approach

Compliance monitoring is conducted using a portable H2S gas monitor. The monitor has useful range for measuring H2S concentrations of <1 ppmv to > 25 ppmv. In addition, this monitor is periodically calibrated and records are maintained onsite.

Since operation of the Sulfatreat system only occurs when there is tank movement and vapor space displacement, flow checks will be performed prior to any monitoring. System flow checks will be performed and recorded daily. If flow is verified, monitoring will be performed and recorded.

3. Change-out

3.1. Procedures

Current operating procedures for these systems are to take immediate action if the monitoring indicates that the Sulfatreat material is spent (H2S > 12 ppm). When this occurs for those systems with secondary control, the procedure states to swap to secondary canister and schedule change-out of the spent material. Monitoring of the secondary canister will continue daily until change-out is complete. For those systems with no secondary available, the procedure states to cease tank movement as soon as practicable and schedule change-out of the spent material.

3.2. Change-out Periods

The Sulfatreat material will be replaced in the primary containers within 7 days of determining that the material has spent or prior to the secondary canister being spent. After change-out of the primary is completed, change-out of the secondary canister will be performed. For those systems that do not have secondary systems, the primary will be changed out within 48 hours or prior to any tank movements. In order to accomplish this, Chevron will maintain fresh Sulfatreat inventory onsite.

3.3. Change-out Justification

The 7-day change-out time period is based on the maximum design capacity of the secondary canisters. The 48-hour change-out time period is based on Chevron's NSR Consent Decree for carbon systems subject to the Benzene Waste Operations NESHAP (BWON). Both of these change-out periods are sufficient to insure that Chevron maintains compliance with the state's H2S standards.

APPENDIX J

EMISSION POINT AU-361 (NO. 2 COOLING TOWER), COOLING TOWER MONITORING PLAN

(Chevron Letters with Attached Plan Dated June 2, 2011)

.

CERTIFIED MAIL RETURN
RECEIPT NO. 7010 0290 0003 3643 1599

Ms. Carla Brown
Mississippi Department of Environmental Quality
Office of Pollution Control
P. O. Box 2261
Jackson, MS 39225

COOLING TOWER # 2 VOC LEAK DETECTION AND REPAIR PLAN
FACILITY NO. 1280-00058

Dear Ms. Brown:

As required by Condition # 5/40.36L3, of the Title V Permit (No. 1280-00058), Chevron is submitting the attached VOC Leak Detection and Repair Plan for Emission Point AU361, No. 2 Cooling Tower (Ref: E-36101) located in the Cooling Water Plant (Plant 36).

In accordance with Section 1, General Condition 9 of the Title V permit (No. 1280-00058), based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Please contact Ms. Jocelyn Cupps at (228) 938-4275 or zufi@chevron.com if you have any questions or concerns.

Regards,

Tom Kovar

JCC/tws

Enclosure

cc: **CERTIFIED MAIL RETURN**
RECEIPT NO. 7010 0290 0003 3643 1605
Mr. Les Herrington
MS Dept. of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

bcc: K. Mitchum
Central Records #

S3&H #92-3677

CENTRAL RECORDS COPY

CR

Tom Kovar
Refinery General Manager

Pascagoula Refinery
Chevron Products Company
A Chevron U.S.A. Inc., Division
P. O. Box 1300
Pascagoula, MS 39568-1300
Tel 228-938-4600
Fax 228-938-4692

Chevron

June 2, 2011

CERTIFIED MAIL RETURN
RECEIPT NO. 7010 0290 0003 3643 1599

Ms. Carla Brown
Mississippi Department of Environmental Quality
Office of Pollution Control
P. O. Box 2261
Jackson, MS 39225

COOLING TOWER # 2 VOC LEAK DETECTION AND REPAIR PLAN
PERMIT NO. 1280-00058

Dear Ms. Brown:

As required by Condition # 5.4U.361.3. of the Title V Permit (No. 1280-00058), Chevron is submitting the attached VOC Leak Detection and Repair Plan for Emission Point AU361, No. 2 Cooling Tower (Ref: E-3610) located in the Cooling Water Plant (Plant 36).

In accordance with Section 1, General Condition 9 of the Title V permit (No. 1280-00058), based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Please contact Ms. Jocelyn Cupps at (228) 938-4275 or aulj@chevron.com if you have any questions or concerns.

Regards,

Tom Kovar

JCC/cws

Enclosure

cc: **CERTIFIED MAIL RETURN**
RECEIPT NO. 7010 0290 0003 3643 1605
Mr. Les Herrington
MS Dept. of Environmental Quality
Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

VOC LEAK DETECTION AND REPAIR PLAN FOR COOLING TOWER #2

This plan is being issued to address volatile organic (VOC) leaks identified from No. 2 Cooling Tower (E-36101) located in the Cooling Water Plant (Plant 36) and to comply with the permit requirements of the *"2007-2008 Refinery Improvement Project"* permit.

Source: #2 Cooling Tower (E-36101)

Pollutant Monitored: Volatile Organic Compounds (VOC's)

Permit Limit: 0.7lb/MMgal of circulated water (12 month rolling average, determined monthly), not to exceed 11.96 tons/year (12 month rolling total, determined monthly)

Sample Location: Header to #2 Cooling Tower

Sample Frequency: Monthly

Test Method: Texas Commission on Environmental Quality (TCEQ) Sampling Procedure Manual, Appendix P (dated January 2003 or later)

Action Level: Sample results with a VOC concentration > 84 ppbw

Action Plan: If the monthly monitoring of the VOC content at the common header to the cooling tower indicates a VOC concentration greater than 84 ppbw the leak will be identified and repaired as follows:

- The VOC speciated analysis will be used to identify the source of the leak.
  Process Areas which #2 Cooling Tower serves are:

17 Plt	Alky I
40 Plt	LER II
61 Plt	Crude Unit II
62 Plt	Isomax II
64 Plt	Hydrogen II
65 Plt	Rhenformer II
66 Plt	GRU
67 Plt	FCC Hydrofiner
69 Plt	Rhenifomiere III
70 Plt	LSR Splitter

- If needed, additional samples will be collected and analyzed to identify the source of the leak.
- The leak will be repaired no later than 45 calendar days after a leak has been identified, or
- If possible, the leak will be isolated from the process.
- If the leak cannot be repaired or isolated from the process, the leak will be repaired during the next scheduled shutdown of the identified equipment/process unit.

APPENDIX K

EMISSON POINT CH-004 (CCR REGENERATOR VENT), RESIDUAL CONTAMINANT REMOVAL MONITORING PLAN

(Chevron Letters Dated April 10, 2013 and April 25, 2013)

.

Tom Kovar
Refinery Manager

Pascagoula Refinery
Chevron Products Company
A Chevron U.S.A. Inc. Division
P. O. Box 1392
Pascagoula, MS 39568-1392
Tel 228-938-4600
Fax 228-938-4682

CERTIFIED MAIL RETURN
RECEIPT NO. 9171 9690 0935 0026 6478 66

Mr. Les Herrington
Environmental Compliance Division, Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225

UPDATED RESIDUAL CONTAMINANT REMOVAL MONITORING PLAN
EMISSION POINT NO. CH-004 (CCR VENT)
TITLE V PERMIT NO. 1280-00058

Dear Mr. Herrington:

As required by Condition 5.CH.4.20 of the Title V Permit No. 1280-00058, Chevron is submitting the updated Residual Contaminant Removal (RCR) Monitoring Plan for the Continuous Catalyst Regenerator (CCR) Vent (Emission Point No. CH-004). In this version, Chevron is clarifying the monitoring plan to not be applicable when the catalyst regeneration process ceases.

In accordance with Section 1, General Condition 9 of the Title V permit (No. 1280-00058), based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions, please contact Ms. Thuy-Khanh "Connie" Nguyen at (228) 938-4530 or nnbx@Chevron.com.

Regards,

Tom Kovar

TKN/jw

Enclosure

cc: M. Smothers
S. Willett
Z. Loeth
J. Lowe
W. Beck
Kristi Mitchum
Central Records # 584.033

SE&H 94 0218

Tom Kovar
Refinery Manager

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Chevron Products Company
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April 25, 2013

CERTIFIED MAIL RETURN
RECEIPT NO. 9171 9690 0935 0026 6478 66

Mr. Les Herrington
Environmental Compliance Division, Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225

UPDATED RESIDUAL CONTAMINANT REMOVAL MONITORING PLAN
EMISSION POINT NO. CII-004 (CCR VENT)
TITLE V PERMIT NO. 1280-00058

Dear Mr. Herrington:

As required by Condition 5.CII.A.10 of the Title V Permit No. 1280-00058, Chevron is submitting the updated Residual Contaminant Removal (RCR) Monitoring Plan for the Continuous Catalyst Regenerator (CCR) Vent (Emission Point No. CII-004). In this version, Chevron is clarifying the monitoring plan to not be applicable when the catalyst regeneration process ceases.

In accordance with Section 1, General Condition 9 of the Title V permit (No. 1280-00058), based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions, please contact Ms. Tany-Khanh "Connie" Nguyen at (228) 938-4520 or tnbb@Chevron.com.

Regards,

Tom Kovar

TKN/cw

Enclosure

SE&H 94-0235

Updated Residual Contaminant Removal (RCR) Monitoring Plan
Chevron Pascagoula Refinery

This RCR Monitoring Plan is being written to satisfy the requirements of Condition 5.CH.4.10 of the Title V Permit (No. 1260-00058) which states:

> *"Within 180 days of commencing operation of the CCR Unit, the permittee shall submit a plan for monitoring the performance of the residual contaminant removal system. The plan shall include the parameter(s) to be monitored, the rationale for selection of the parameter(s), and the parameter indicator range, or other value(s), that assure proper operation of the system. This plan or components therein shall be incorporated into the operating permit."*

The RCR Monitoring Plan includes:

(1) **The operating parameter(s) to be monitored**

The inlet temperature controller of the CRI module, 79TC0791, will be monitored continuously. This temperature will be used to monitor performance of the residual contaminant removal system while the catalyst regeneration process is occurring, which can only occur with oxygen (air) is present. Temperature deviation(s) will be included in the semi-annual monitoring reports.

(2) **The rationale for selection of the monitored parameter(s)**

Emissions of residual contaminant are generated as a byproduct during the catalyst regeneration process. The residual contaminant compounds are converted to a mixture of harmless gases through the CRI module, which is temperature controlled to optimize the conversion efficiency.

(3) **The monitor parameter(s) indicator range**

The recent emission study at the CCR Vent was conducted at low temperature conditions on March 7, 2012. The updated residual contaminant results indicate that the emissions are below the level provided in the permit application. The following table is the summary of the test results:

Description	Ds/Fs (ng/dscm @ 15% O2)	Ds/Ts (lbs/hr)	Ds/t/s (tons/yr)	Temperature Reading (°F)
High Temperature Conditions	0.0052	2.44×10^{-12}	1.07×10^{-10}	331
Low Temperature Conditions	0.0011	4.15×10^{-13}	1.82×10^{-11}	295

Based on the data above, the CRI module will be operated between 295°F and 331°F (24-hour daily average). These indicator ranges will be updated to include additional future testing results as needed.

APPENDIX L

OXYGEN MONITORING PLAN

(Chevron Letter and Attached Plan Dated September 27, 2012)

CERTIFIED MAIL RETURN
RECEIPT NO. 9171 9690 0935 0026 6482 90

Mr. Les Herrington
Environmental Compliance and Enforcement Division
Office of Pollution Control
Mississippi Department of Environmental Quality
P. O. Box 2261
Jackson, MS 39225-2261

TITLE V PERMIT NO. 1280-00058
OXYGEN MONITORING PLAN

Dear Mr. Herrington:

To meet the requirements of Condition 5.B.2.2 and Condition 5.B.2.3 of the Title V permit modified on January 31, 2011, the oxygen monitoring plan has been updated accordingly to the tested emission sources.

The emission point of AG-043 (F-1501, F-1502, and F-1503) has been added to the last modified oxygen monitoring plan dated on August 3, 2011. Please see the attached document for details.

In accordance with Section 1. General Condition 9 of the Title V permit (No. 1280-00058), based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Please contact Ms. Thuy-Khanh "Connie" Nguyen at (228) 938-6530 or TNBR@Chevron.com if you have any questions.

Regards,

Tom Kovar

TKN/ews

Enclosure

bcc: J. Colletti
P. Roney
H. Tiemann
B. Moore
R. Lemon
B. Eskelson
D. Wells
J. Cupps
K. Mitchum
Central Records #584.033

SE&H #62-7962

O_2 Monitoring Plan
Chevron Pascagoula Refinery

This O_2 Monitoring Plan is being written to satisfy the requirements of Condition 5.B.2.2 of the Title V permit (No. 1280-00058) which states:

> *"Within 60 days following the initial required performance test, per the schedule in Condition 5.B.1.1, the permitee shall submit a proposed O_2 monitoring plan. Each plan shall establish an O_2 baseline or range based on engineering studies, performance tests, or other relevant data used to demonstrate compliance with the applicable permit limits. The monitoring plan shall specify what constitutes a deviation. A deviation shall be defined as any time period, in accordance with the permit limit, that the average O_2 reading exceeds the established baseline or range for any unit operating at greater than 50% of its design fired duty. The permittee shall report deviations from the baseline or range in a semiannual report. The report shall contain the date, time, and duration of each occurrence and the percent of the total operating time for the semiannual period that the monitor recorded deviations. In addition to the information required to be reported, the permittee shall maintain on-site records of the actual fired duty and the O_2 readings (as percent O_2) in accordance with Condition 5.A.3. In lieu of the O_2 monitor, the permittee may utilize the monitoring provided in Condition 5.B.2.3 for CO and/or VOC."*

And the requirements of Condition 5.B.2.2 of the Title V permit (No. 1280-00058) which states:

> *"The permitee shall install, operate, and maintain, prior to the first required performance test, an instrument for continuous measurement of the concentration by volume of CO emissions. These instruments will be used to indicate compliance with the permit limits for CO and/or VOC. The permittee shall validate the suitability of the instrument's location and accuracy to represent the source's CO emissions during the initial performance test. Upon successful completion of the performance test the permittee shall commence using the instrument to demonstrate compliance with the relevant permit limit(s). The permittee shall develop a quality assurance plan to be maintained on-site. The quality assurance procedures for these instruments shall be performed in accordance with the manufacturer's recommendations. A deviation from CO shall be defined as any time period, in accordance with the permit limit, that the CO concentration exceeds the maximum concentration indicative of compliance with the CO limit as established during the initial performance test and any subsequent performance test thereafter. A deviation from the CO permit limit shall also indicate a deviation from the VOC permit limit for sources with limits on both CO and VOC. In accordance with Condition 5.A.3, the permittee shall maintain on site records of the CO measurements averaged over the appropriate time period and the documentation demonstrating the maximum CO concentration indicative of compliance with the CO and/or VOC limits. The permittee shall report as deviations of CO and/or VOC any time periods, as defined by the permit limit, where the monitor indicates excess emissions. The deviation report shall be submitted semiannually."*

O_2 Monitoring Plan
Chevron Pascagoula Refinery

1. For sources using O_2 monitoring plan as required by S.B.2.2,

   The O_2 monitoring plan includes:

   (1) The operating parameter to be monitored

   Emissions of nitrogen oxides (NO_x) are generated as a byproduct during the combustion process. Air, which is used as the source of oxygen (O_2) necessary for combustion, also contains nitrogen (N_2). Higher amounts of air will result in converting more N_2 to NO_x.

   Emissions of carbon monoxide (CO) are generated as a byproduct during the combustion process. Fuel gas, which is used as the primary source necessary for combustion, contains carbon (C). Complete combustion of fuel gas results in conversion of the carbon into CO_2. Lower amounts of O_2 causes some C to convert into CO due to incomplete combustion.

   Excess O_2 will be monitored utilizing existing O_2 analyzers located either in the top of the convection section of each furnace or located in the furnace stack. The O_2 analyzer identification numbers for each source can be found in Table 1A and 1B. The O_2 analyzers in Table 1A and Table 1B will be used to demonstrate compliance with the NO_x (lbs/hr) permit limits and CO (lbs/hr) permit limits, respectively.

   (2) Established O_2 baseline or range to demonstrate compliance

   For sources subject to NO_x (lbs/hr) permit limits, O_2 monitoring baselines were determined by performing three 1-hour test runs at high excess O_2 conditions, which demonstrated a worst case NO_x emission rate. O_2 measurements recorded during these conditions were averaged for each test run.

   For sources that indicated a NO_x rate (lbs/hr) of less than 80% of the permitted rate, an additional 2% was added to the proposed O_2 monitoring baseline. If this value exceeded the top of span of the O_2 analyzer, which is typically 10% or 25%, then the top of span was used as the default. For sources that indicated a NO_x rate (lbs/hr) of greater than 80% of the permitted rate, the averaged measured O_2 during the test was used for the proposed O_2 monitoring baseline. Proposed O_2 monitoring baselines for each source can be found in Table 1A.

   For sources subject to CO (lbs/hr) permit limits, O_2 monitoring baselines were determined by performing three 1-hour test runs at low excess O_2 conditions, which demonstrated a worst case CO emission rate. O_2 measurements recorded during these conditions were averaged for each test run.

   For sources that indicated a CO rate (lbs/hr) of less than 80% of the permitted rate, 2% was removed from the proposed O_2 monitoring baseline. If this value was below the minimum O_2 operating alarm, which is typically 0.5% or 1%, then the minimum operating alarm was used as the default. For sources that indicated a CO rate (lbs/hr) of greater than 80% of the permitted rate, the averaged measured O_2 during the test was used for the proposed O_2 monitoring baseline. Proposed O_2 monitoring baselines for each source can be found in Table 1B.

(3) Specification of what constitutes a deviation

A deviation occurs when the source is operating at greater than 50% of its design fired duty and the average O_2 reading determined by the analyzer exceeds the established baseline proposed in Table 1. The current Title V operating permit (No. 1280-00058) defines permit limits and design fired duty by source.

II. For sources using CO monitoring as required by S.D.2.3,

Emissions of CO (lbs/hr) will be calculated using the following equation:

$$CO(lbs/hr) = CO(ppm) \times 28 \times 8710 \times \left(\frac{20.9}{20.9 - O2}\right) \div 385 \div 1000000 \times CFGF \times HHV \quad (1)$$

where CO (ppm) = measured by CO analyzer listed in Table 2
28 = molecular weight of CO (lbs/lbmol)
8710 = EPA F factor for fuel gas (scf/mmbtu)
20.9 = O_2 percentage present in atmospheric air (%)
O_2 = measured by O_2 analyzer identifications listed in Table 1 (%)
385 = conversion factor (lbmol/scf)
1000000 = conversion factor for ppm
CFGF = Corrected Fuel Gas Flow (SCF) = measured by flow meters and corrected using measured specific gravity, pressure, and temperature of the fuel. Corrected flows identifications are listed in Table 2.
HHV = Specific Gravity of Fuel Gas (21AI2347) x 1345 + 257.8, (Btu/scf)

(1) Validation of the location of the CO analyzer

CO concentration will be monitored from existing CO analyzers located in the top of the convection section of each furnace or located in the furnace stack. Chevron has determined that these locations are representative of CO emissions for these sources.

(2) QA/QC Plan

The Title V Instrumentation QA/QC Plan covers all manufacturer's specifications and additional quality assurance steps to insure the accuracy of the instruments and analyzers used to determine compliance with CO (lbs/hr) permit limits. These instruments and analyzers include CO analyzers, O_2 analyzers, fuel gas flow meters, and specific gravity analyzers, temperature and pressure indicators that are located on the fuel gas system.

(3) Specification of what constitutes a deviation

A deviation occurs when the average CO calculated using Equation 1 above exceeds CO permit limits as defined by the current Title V Operating Permit (No. 1280-00058). A deviation from the CO permit limit shall also indicate a deviation from the VOC permit limit for sources with limits on both CO and VOC.

This O_2 and CO Monitoring Plan will be revised and submitted to MDEQ for approval as more data becomes available through future testing or technical evaluation.

O_2 Monitoring Plan
Chevron Pascagoula Refinery

Table 1A: Summary of O_2 Monitoring Plan Data for NO_x

Emission Point	Source Description	O_2 Tag ID	Average Measured O_2, %	Average Measured NO_x, lbs/hr*	% of Permit Limit	Proposed O_2 Baseline, %
AE-013	F-1101	11AI2530	5.63	72.14	80%	7.53
	F-1102	11AI2540	6.73			8.73
AG-043	F-1501/03	15AI253A 15AI253B	5.77	55.60	41%	7.77
AN-752	F-2410	24AI1007	9.40	2.65	65%	10.0
AN-753	F-2440/90	24AI1215	6.56	37.7	94%	6.56
BB-163	F-5327A/B	53AI1120 53AI1121	8.17	5.05	57%	10.0
BB-165	F-5327C	53AI1122	7.04	4.98	53%	9.04
BB-174	F-5337C	53AI1222	7.83	11.64	69%	9.83
BB-191	F-5337A	53AI1220	8.25	5.39	57%	10.0
BB-192	F-5337B	53AI1221	7.78	5.00	55%	9.78
BB-193	F-5380A	53AI1323	6.25	6.36	74%	8.25
BB-194	F-5380B	53AI1324	5.95	5.34	64%	7.95
BH-231 BH-232	F-6410 KGT-6410	64AVG115	8.60	63.45	13%	10.0
BT-245	F-6531	65AI0040	11.50	2.86	43%	13.50
BP-511	F-8110	81AI133	7.19	49.56 ppmv	40%	9.19
BP-512	F-8120	81AI233	7.10	77.33 ppmv	62%	9.10
BP-513	F-8130	81AI333	8.00	83.93 ppmv	67%	10.0
BQ-521	F-8300A	83AI259	9.14	23.37	78%	11.14
BQ-522	F-8300B	83AI388	9.09	23.52	79%	11.09
BQ-523	F-8300C	83AI461	8.80	25.16	84%	8.80
BR-531	F-8400	84AI305	7.21	16.56	41%	9.21
BS-501	F-8510	85AI017	6.84	7.64	94%	6.84
BT-541	F-8620, KGT-8650	86AI357	8.17	115.53	62%	10.17
BT-542	F-8610	86AI119	7.79	4.14	74%	9.79

*Units of measure are lbs/hr unless otherwise specified. The data with ppmv is @ 3% oxygen on a dry basis.

Table 1B: Summary of O_2 Monitoring Plan Data for CO

Emission Point	Source Description	O_2 Tag ID	Average Measured O_2, %	Average Measured CO, lbs/hr	% of Permit Limit	Proposed O_2 Baseline, %
AG-043	F-1501/03	15AI253A 15AI253B	2.33	0.03	0%	1.0

Table 2: Summary of Instruments Used for CO Monitoring

Emission Point	Source Description	CO Analyzer ID	Corrected Fuel Gas Flow ID
AE-013	F-1101	11AI2037	11EF2670
	F-1102	11AI2038	11EF2680
AN-752	F-2410	24AI1006	24EF1004
AN-753	F-2440/90	24AI1216	24EF1125
BB-163	F-5327A/B	53AI2190	53EF1113
		53AI2192	53EF1115
BB-165	F-5327C	53AI2194	53EF1116
BB-174	F-5337C	53AI2291	53EF1218
BB-191	F-5337A	53AI2290	53EF1201
BB-192	F-5337B	53AI2292	53EF1217
BB-193	F-5380A	53AI2390	53EF1320
BB-194	F-5380B	53AI2392	53EF1328
BF-223	F-6250	62AI0002	62EF289
BH-231	F-6410	64AI206	64EF257
BH-232	KGT-6410		64EF201
BI-245	F-6531	65AI0040	65EF2011
BQ-521	F-8300A	83AI493	83EF089
			83EF165
			83EF191
			83EF498
BQ-522	F-8300B	83AI389	83EF177
			83EF156
			83EF158
			83EF427
BQ-523	F-8300C	83AI462	83EF080
			83EF081
			83EF015
			83EF017
BR-531	F-8400	84AI306	84EF410
			84EF411
BS-501	F-8510	85AI018	85EF017
BT-541	T-8620, KGT-8650	86AI358	86EF332
			86EF333
			86EF334
			86EF335
			86EF336
			86EF237
BT-542	F-8610	86AI120	86EF123