# STATE OF MISSISSIPPI
# AIR POLLUTION CONTROL PERMIT

TO CONSTRUCT AIR EMISSIONS EQUIPMENT

**THIS CERTIFIES THAT**

Belvedere Terminals Company, LLC
438 Watts Road
Seminary, Mississippi
Covington County

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with 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.

**MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD**

Krystal Rudolph

**AUTHORIZED SIGNATURE**
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Issued: October 2, 2023** **Permit No.: 0640-00061**

83572 PER20230001

## SECTION 1. GENERAL CONDITIONS

1.1 This permit is for air pollution control purposes only.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)

1.1 Any activities not identified in the application are not authorized by this permit.

(Ref.: Miss. Code Ann. 49-17-29(1)(b))

1.2 The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)

1.3 It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(6).)

1.4 The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)

1.5 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 the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)

1.6 The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, 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. 2.2.B(15)(b).)

1.7 The permit does not convey any property rights of any sort, or any exclusive privilege.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)

1.8 The permittee shall furnish to the Department of Environmental Quality (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 permit or, for information claimed to be confidential, the permittee shall furnish such records to the 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. 2.2.B(15)(d).)

1.9 *Design and Construction Requirements:* The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(1)-(3).)

1.10 The necessary facilities shall be constructed to prevent any wastes or other products or substances to be placed in a location where they are likely to cause pollution of the air or waters of the State without the proper environmental permits.

(Ref.: Miss. Code Ann. 49-17-29(1) and (2))

1.11 *Fugitive Dust Emissions from Construction Activities:* The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(4).)

1.12 *General Nuisances:* The permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

(a) The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow unnecessary amounts of particulate matter to become airborne.

(b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gasborne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.C.)

1.13 *Right of Entry:* The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon presentation of credentials:

(a) To enter at reasonable times upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and

(b) To have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air contaminants or waste waters, fuel, process material, or other material which affects or may affect emission of air contaminants from any source.

(Ref.: Miss. Code Ann. 49-17-21)

1.14 *Permit Modification or Revocation:* After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:

(a) Persistent violation of any of the terms or conditions of this permit;

(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

(c) A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.C.)

1.15 *Public Record and Confidential Information:* Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality, Office of Pollution Control.

(Ref.: Miss. Code Ann. 49-17-39)

1.16 *Permit Transfer:* This permit shall not be transferred except upon approval of the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)

1.17 *Severability:* The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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. 2.1.D(7).)

1.18 *Permit Expiration:* The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance, if construction is suspended for eighteen (18) months or more, or if construction is not completed within a reasonable time. The DEQ may extend the 18-month period upon a satisfactory showing that an extension is justified.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(1)., R. 2.5.C(4)., and R. 5.2.)

1.19 *Certification of Construction:* A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(3).)

1.20 *Beginning Operation:* After certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).)

1.21 *Application for a Permit to Operate:* The application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).)

1.22 *Operating Under a Permit to Construct:* Upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).)

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

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

(1) For an upset, the Commission may pursue an enforcement action for noncompliance with an emission standard or other requirement of an applicable rule, regulation, or permit. In determining whether to pursue enforcement action, and/or the appropriate enforcement action to take, the Commission may consider whether the source has demonstrated through

properly signed contemporaneous operating logs or other relevant evidence the following:

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

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

(iii) During the upset the source took all reasonable steps to minimize levels of emissions that exceeded the emission standard or other requirement of an applicable rule, regulation, or permit;

(iv) That within five (5) working days of the time the upset began, the source submitted a written report to the Department describing the upset, the steps taken to mitigate excess emissions or any other noncompliance, and the corrective actions taken and;

(v) That as soon as practicable but no later than 24 hours of becoming aware of an upset that caused an immediate adverse impact to human health or the environment beyond the source boundary or caused a general nuisance to the public, the source provided notification to the Department.

(2) In any enforcement proceeding by the Commission, the source 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.

(4) These upset provisions apply only to enforcement actions by the Commission and are not intended to prohibit EPA or third party enforcement actions.

(b) Startups and Shutdowns (as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.)

(1) Startups and shutdowns are part of normal source operation. Emission limitations apply during startups and shutdowns unless source specific emission limitations or work practice standards for startups and shutdowns are defined by an applicable rule, regulation, or permit.

(2) Where the source is unable to comply with existing emission limitations established under the State Implementation Plan (SIP) and defined in 11 Mississippi Administrative Code, Part 2, Chapter 1, the Department will consider establishing source specific emission limitations or work practice standards for startups and shutdowns. Source specific emission limitations or work practice standards established for startups and shutdowns are subject to the requirements prescribed in 11 Miss. Admin. Code Pt. 2, R. 1.10.B(2)(a) through (e).

(3) Where an upset, as defined in 11 Miss. Admin. Code Pt. 2, R. 1.2.,occurs during startup or shutdown, see the upset requirements above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)

1.24 *General Duty:* All air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

1.25 *Compliance Testing:* Regarding compliance testing:

(a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.

(b) Compliance testing will be performed at the expense of the permittee.

(c) Each emission sampling and analysis report shall include but not be limited to the following:

(1) detailed description of testing procedures;

(2) sample calculation(s);

(3) results; and

(4) comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), and (6).)

## SECTION 2. EMISSION POINT DESCRIPTION

The permittee is authorized to construct and operate, upon certification of construction, air emissions equipment, as described in the following table.

| Emission Point | Description |
|---|---|
| AA-001 | Railcar Loading equipped with a Vapor Processing Unit (VPU) (includes a VRU and VCU) |
| AA-002 | Truck Loading equipped with a Vapor Processing Unit (VPU) (includes a VRU and VCU) |
| AA-003 | 3,000 HP Emergency Generator (4-Stroke, Compression Ignition) |
| AA-004 | 500 HP Emergency Firewater Pump (4-Stroke, Compression Ignition) |
| AA-005 | Fugitives |

| Emission Point | Description | Tank Capacity (Gallons) |
|---|---|---|
| AA-006 | Gas 87 Tank-1 | 10,428,684 |
| AA-007 | Gas 87 Tank-2 | 10,428,684 |
| AA-008 | Gas 87 Tank-3 | 10,428,684 |
| AA-009 | Gas 91 Tank | 5,076,162 |
| AA-010 | Ethanol Tank | 5,076,162 |
| AA-011 | Transmix Tank | 210,000 |
| AA-012 | Ultra Low Sulfur Diesel (ULSD) Tank | 10,428,684 |
| AA-013 | Jet-A Tank | 1,151,556 |
| AA-014 | Biodiesel Tank | 321,724 |
| AA-015 | Marine Gas Oil Tank | 2,538,074 |
| AA-016 | Additive Tank-1 | 5,000 |
| AA-017 | Additive Tank-2 | 5,000 |
| AA-018 | Additive Tank-3 | 5,000 |
| AA-019 | Additive Tank-4 | 5,000 |

| Emission Point | Description | Tank Capacity (Gallons) |
|---|---|---|
| AA-020 | Additive Tank-5 | 5,000 |
| AA-021 | Additive Tank-6 | 5,000 |
| AA-022 | Additive Tank-7 | 5,000 |
| AA-023 | Additive Tank-8 | 5,000 |
| AA-024 | Additive Tank-9 | 5,000 |
| AA-025 | Additive Tank-10 | 5,000 |
| AA-026 | Diesel Tank | 250 |

## SECTION 3. EMISSION LIMITATIONS AND STANDARDS

| Emission Point | Applicable Requirement | Condition Number(s) | Pollutant/ Parameter | Limitation/Standard |
|---|---|---|---|---|
| Facility-Wide | 11 Miss. Admin. Code Pt. 2, R. 1.3.A | 3.1 | Opacity | Opacity < 40% |
| | 11 Miss. Admin. Code Pt. 2, R. 1.3.B | 3.2 | | Equivalent Opacity |
| | 11 Miss. Admin. Code Pt. 2, R. 1.3.C | 3.3 | | Minimize Nuisances |
| | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). | 3.4 | Throughput | Gasoline – 1,287,069,432 gal/yr<br>Diesel – 464,184,000 gal/yr<br>Jet-A – 34,080,480 gal/yr<br>Marine Gasoil – 90,554,184 gal/yr<br>Ethanol – 58,800,168 gal/yr<br>Butane – 4,536,000 gal/yr<br>Biodiesel – 23,556,960 gal/yr |
| | | 3.5 | VOC | Shall not exceed 95.0 tpy |
| AA-001<br>AA-002 | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). | 3.6 | TOC | Shall not load product when VPU is not operable |
| | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10). | 3.7 | | Emission shall not exceed 10 mg TOC/L product loaded |
| | 40 CFR Part 63, Subpart BBBBBB<br><br>National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities<br><br>40 CFR 63.11081(a)(1), 63.11082, 63.11088, 63.11089 | 3.8 | HAP | Applicability |
| | 40 CFR 63.11088(a), Item 1 of Table 2, Subpart BBBBBB | 3.9 | | Operational Requirement |
| | 40 CFR 60, Subpart XXa | 3.10 | VOC | Applicability (Upon Promulgation) |
| | 40 CFR 60, Subpart XX<br><br>Standards of Performance for Bulk Gasoline Terminals<br><br>40 CFR 60.500(a), (b) | 3.11 | VOC | Applicability |
| | 40 CFR 60.502(b) | 3.12 | | Operational Requirement |

| | | | | |
|---|---|---|---|---|
| | 40 CFR 60.502(e), Subpart XX and 40 CFR 63.11088(a), Item 1 (d) of Table 2, Subpart BBBBBB | 3.13 | VOC<br>HAP | Liquid product loading standards |
| | 40 CFR 60.502(f), (g), Subpart XX | 3.14 | VOCs | Tank truck and terminal connection standard |
| | 40 CFR 60.502(h), (i), Subpart XX | 3.15 | | Product loading pressure standards |
| AA-003<br>AA-004 | 40 CFR 63 Subpart ZZZZ<br><br>National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines<br><br>40 CFR 63.6590(c)(1), Subpart ZZZZ | 3.16 | VOC<br>HAP | Applicability |
| | 40 CFR 60, Subpart IIII<br><br>Standards of Performance for Stationary Compression Ignition Internal Combustion Engines<br><br>40 CFR 60.4200(a)(2)(i) | 3.17 | NOx<br>CO | Applicability |
| AA-003 | 40 CFR 60.4202(a)(2), 40 CFR 60.4205(b), Subpart IIII<br>40 CFR 1039 Appendix I | 3.18 | NMHC<br>NOx<br>CO<br>PM | Emissions Standards |
| AA-004 | 40 CFR 60.4202(a)(2), 40 CFR 60.4205(c), Table 4, Subpart IIII | 3.19 | | |
| AA-003<br>AA-004 | 40 CFR 60.4207(b), Subpart IIII, and 40 CFR 80.510(b) | 3.20 | Fuel Requirement | Diesel fuel standards:<br><br>a) Max sulfur content of 15 ppm, and<br><br>b) Minimum cetane index of 40 or a maximum aromatic content of 35 volume percent |
| | 40 CFR 60.4209(a), Subpart IIII | 3.21 | Hours of Operation | Install a non-resettable hour meter |
| | 40 CFR 60.4211(c), Subpart IIII | 3.22 | NOx<br>CO | Purchased certified engine |
| | 40 CFR 60.4211(f), Subpart IIII | 3.23 | Hours of Operation | Operating Requirements |
| AA-003 | 11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(b) | 3.24 | Particulate Matter (Filterable only) | $E = 0.8808*I^{-0.1667}$ |
| AA-004 | 11 Miss. Admin. Code Pt. 2, R. 1.3D(1)(a) | 3.25 | | 0.6 lbs/MMBtu |

| | | | | |
|---|---|---|---|---|
| AA-006<br>AA-007<br>AA-008<br>AA-009<br>AA-010<br>AA-011 | 40 CFR 60, Subpart Kb<br><br>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<br><br>40 CFR 60.110b(a) | 3.26 | VOC | Applicability |
| | 40 CFR 60.112b(a)(1) | 3.27 | | Design Requirements |

3.1 For the entire facility, 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. 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 (2) hour period.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.A.)

3.2 For the entire facility, except as otherwise or 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 Condition 3.1. This shall not apply to vision obscuration caused by uncombined water droplets.

(Ref.: 11 Miss. Admi. Code Pt. 2, R. 1.3.B.)

3.3 For the entire facility, the permittee shall not cause, permit, or allow the emission of particles or any contaminants in sufficient amounts or of such duration from any process as to be injurious to humans, animals, plants, or property, or to be a public nuisance, or create a condition of air pollution.

(a) The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner which allows or may allow unnecessary amounts of particulate matter to become airborne.

(b) When dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance to property other than that from which it originated or to violate any other provision of 11 Miss. Admin. Code Pt. 2, Ch. 1, the Commission may order such corrected in a way that all air and gases or air and gas borne material leaving the building or equipment are controlled or removed prior to discharge to the open air.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.3.C.)

3.4 For the entire facility, the permittee shall limit the annual gasoline, diesel, jet-a, marine gasoil, ethanol, butane, and biodiesel throughput. Gasoline throughput shall not exceed 1,287,069,432 gallons per year. Diesel throughput shall not exceed 464,184,000 gallons per year. Jet-A throughput shall not exceed 34,080,480 gallons per year. Marine Gasoil throughput shall not exceed 90,554,184 gallons per year. Ethanol throughput shall not exceed 58,800,168 gallons per year. Butane throughput shall not exceed 4,536,000 gallons per year.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).

3.5 For the entire facility, the permittee shall limit Volatile Organic Compound (VOC) emissions to no more than 95.0 tons per year (tpy) for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).)

3.6 For Emission Points AA-001 and AA-002, the permittee shall only operate the loading racks when the VPU is available. Should the VPU become nonoperational then the respective process shall be shut down immediately, but not as to cause damage to equipment or property, or cause further environmental problems. The process shall not startup until such time that the VPU becomes operational. The permittee shall maintain on hand at all times sufficient equipment as is necessary to repair and/or overhaul the control device at all times. The permittee shall maintain and perform quality assurance/quality control measures in accordance with the manufacture's specifications.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

**3.7** For Emission Points AA-001 and AA-002, the permittee shall not allow the emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks to exceed 10 milligrams of TOC per liter of product loaded.

The permittee shall demonstrate compliance with the 35 mg TOC/L gasoline loaded emission limitation (Condition 3.12) and the 80 mg TOC/L gasoline loaded emission limitation (Condition 3.9(b)) from 40 CFR 60, Subpart XX and 40 CFR 63, Subpart BBBBBB, respectively, by meeting the emission limitation above.

(Ref.: 11 Miss. Admin. Code Pt. 2, R.2.2.B (10).)

3.8 For Emission Points AA-001, AA-002, AA-006, AA-007, AA-008, and AA-009, the permittee is subject to and shall comply with all applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities (40 CFR 63, Subpart BBBBBB) and applicable provisions of the General Provisions (40 CFR 63, Subpart A) as stated in Table 3 of Subpart BBBBBB.

For Emission Points AA-006 through AA-009, the gasoline storage tanks are subject to, and comply with, the control requirements of 40 CFR 60, Subpart Kb. Therefore, the storage tanks are deemed in compliance with Subpart BBBBBB. The permittee shall

submit this determination in the Notification of Compliance Status report under 40 CFR 63.11093(b) and Condition 6.3.

(Ref.: 40 CFR 63.11081(a), 63.11082, 63.11088, 63.11089, Subpart BBBBBB)

3.9 For Emission Points AA-001 and AA-002, the permittee shall equip the loading racks with:

(a) A vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading. The vapor collection system shall be designed to prevent any TOC vapor collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere.

(b) A control device designed and operated to reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into the gasoline cargo tanks at the loading rack.

(c) The permittee shall limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in 40 CFR 60.502(e) through (j), Subpart XX.

(Ref.: 40 CFR 63.11088(a), Item 1 (a)-(c) of Table 2, Subpart BBBBBB)

**3.10** For Emission Points AA-001 and AA-002, upon promulgation of Subpart XXa, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Bulk Gasoline Terminals (40 CFR 60, Subpart XXa) and General Provisions (40 CFR 60, Subpart A).

**3.11** For Emission Points AA-001 and AA-002, the permittee is subject to and shall comply with all applicable requirements of the Standards of Performance for Bulk Gasoline Terminals (40 CFR 60, Subpart XX) and General Provisions (40 CFR 60, Subpart A).

(Ref.: 40 CFR 60.500(a), (b), Subpart XX)

3.12 For Emission Points AA-001 and AA-002, the permittee shall not allow the emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks to exceed 35 milligrams of total organic compounds per liter of gasoline loaded.

(Ref.: 40 CFR 60.502(b), Subpart XX)

3.13 For Emission Points AA-001 and AA-002, the permittee shall limit loadings of liquid product into gasoline tank trucks to vapor-tight gasoline tank trucks using the following procedures:

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

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

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

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

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

(d) If either the quarterly or semiannual cross-check provided in paragraphs c) 1) and 2) reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met.

(e) The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross-check in paragraph c).

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

(g) Alternate procedures to those described in paragraphs 40 CFR 60.502(e)(1) through (5), Subpart XX for limiting gasoline tank truck loadings may be used upon application to, and approval by DEQ.

(Ref.: 40 CFR 60.502(e), Subpart XX and 40 CFR 63.11088(a), Item 1 (d) of Table 2, Subpart BBBBBB)

3.14 For Emission Points AA-001 and AA-002, the permittee shall act to assure that loadings of gasoline tank trucks are made only into tanks equipped with vapor collection equipment that is compatible with the terminal’s vapor collection system. The permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(Ref.: 40 CFR 60.502(f), (g), Subpart XX)

3.15 For Emission Points AA-001 and AA-002, the permittee shall 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

40 CFR 60.503(d), Subpart XX. No pressure-vacuum vent in the 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(h), (i), Subpart XX)

3.16 For Emission Points AA-003 and AA-004, the permittee is subject to and shall comply with all applicable requirements of 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE). Emission Points AA-003 and AA-004 are new RICE located at an area source of HAPs. Therefore, compliance with 40 CFR Part 63, Subpart ZZZZ shall be achieved by meeting all applicable requirements of 40 CFR Part 60, Subpart IIII. No further requirements apply for such engines under NESHAP Subpart ZZZZ.

(40 CFR 63.6585, 40 CFR 63.6590(a)(2)(iii) and (c)(1), Subpart ZZZZ)

3.17 For Emission Points AA-003 and AA-004, the permittee is subject to and shall comply with all applicable requirements of Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR Part 60, Subpart IIII.

(Ref.: 40 CFR 60.4200(a)(2)(i), Subpart IIII)

3.18 For Emission Points AA-003, the pemittee shall comply with the following emissions standards for new, non-road CI engines, for all pollutants, for the same model year and maximum engine power:

(a) NMHC + NOx – 6.4g/kg-hr

(b) CO – 3.5g/kw-hr

(c) PM – 0.20g/kw-hr

(Ref.: 40 CFR 60.4202(a)(2), 40 CFR 60.4205(b), Subpart IIII and 40 CFR 1039 Appendix I)

3.19 For Emission Point AA-004, the permittee shall comply with the following emissions standards for emergency fire pumps:

(a) NMHC + NOx – 4.0g/kg-hr

(b) CO – 3.5g/kw-hr

(c) PM – 0.20g/kw-hr

(Ref.: 40 CFR 60.4202(a)(2), 40 CFR 60.4205(c), and Table 4, Subpart IIII)

3.20 For Emission Points AA-003 and AA-004, the permittee shall use only diesel fuel that meets the following requirements for non-road diesel:

(a) A maximum sulfur content of 15 ppm, and

(b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

(Ref.: 40 CFR 60.4207(b), Subpart IIII and 40 CFR 1090.305)

3.21 For Emission Points AA-003 and AA-004, the permittee shall install a non-resettable hour meter prior to startup of the engines.

(Ref.: 40 CFR 60.4209(a), Subpart IIII)

3.22 For Emission Points AA-003 and AA-004, the engines shall be certified to the emission standards in Conditions 3.18 and 3.19 and shall be installed and configured according to the manufacturer's emission-related specifications.

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

3.23 For Emission Points AA-003 and AA-004, the permittee shall operate the emergency stationary ICE according to the requirements in (a) through (c) below. In order for the engines to be considered emergency stationary ICE under 40 CFR 60 Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described below, is prohibited. If you do not operate the engine according to the requirements below, the engine will not be considered an emergency engine and must meet all requirements for non-emergency engines.

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

(b) Emergency stationary ICE may be operated for maintenance checks and readiness testing for a maximum of a 100 hours per calendar year, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the DEQ 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 indication that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response. The 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or the generate income for a facility 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)

3.24 For Emission Point AA-003, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations 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).)

3.25 For Emission Point AA-004, 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).)

**3.26** For Emission Points AA-006 through AA-011, the permittee is subject to and shall comply with all applicable conditions of 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, Subpart Kb.

(Ref.: 40 CFR 60.110b(a), Subpart Kb)

3.27 For Emission Points AA-006 through AA-011, the permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:

(a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

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

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

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

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

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

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

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

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

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

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

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

(Ref.: 40 CFR 60.112b(a)(1), Subpart Kb)

## SECTION 4. WORK PRACTICES

| Emission Point | Applicable Requirement | Condition Number(s) | Work Practice |
|---|---|---|---|
| Facility-Wide | 40 CFR 63.11085, Subpart BBBBBB | 4.1 | Safety and Air Pollution Control Practices Requirement |
| AA-003<br>AA-004 | 40 CFR 60.4206, Subpart IIII | 4.2 | Maintain emissions standards |
| | 40 CFR 60.4211(a), Subpart IIII | 4.3 | Operate and maintain according to manufacturer's written instructions |

4.1 For the entire facility, the permittee shall, at all times, operate and maintain in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are be used will be based on information available to the DEQ, 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 permittee shall keep applicable records and submit reports as specified in Condition 5.9 and Condition 6.4.

(Ref.: 40 CFR 63.11085, Subpart BBBBBB)

4.2 For Emission Points AA-003 and AA-004, the permittee shall operate and maintain the stationary Compression Ignition (CI) Internal Combustion Engines (ICE) so that it meets the emission standards in Conditions 3.18 and 3.19 for the entire life of the engines.

(Ref.: 40 CFR 60.4206, Subpart IIII)

4.3 For Emission Points AA-003 and AA-004, the permittee shall comply with the following:

(a) Operate and maintain the stationary CI ICE and control device 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 requirements of 40 CFR parts 89, 94, and/or 1068, as they apply.

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

## SECTION 5. MONITORING AND RECORDKEEPING REQUIREMENTS

| Emission Point | Applicable Requirement | Condition Number(s) | Pollutant/ Parameter | Monitoring/Recordkeeping Requirement |
|---|---|---|---|---|
| Facility-Wide | 11 Miss. Admin. Code Pt. 2, R. 2.9. | 5.1 | Recordkeeping | Maintain records for a minimum of 5 years. |
| | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). | 5.2 | | Hours of VPU downtime during operation.<br>Product loaded during VPU downtime.<br>Gasoline received and stored.<br>Diesel received and stored.<br>Jet-A received and stored.<br>Marine Gasoil received and stored.<br>Ethanol received and stored.<br>Butane received and stored.<br>Biodiesel received and stored. |
| | | 5.3 | VOC | 12-month rolling totals for VOC emissions. |
| AA-001<br>AA-002 | 40 CFR 63.1088(d), 40 CFR 63.11092(a-b), Subpart BBBBBB | 5.4 | Monitoring | Performance Testing Requirements<br>Compliance Testing Requirements |
| | 40 CFR 63.11092(b)(1)(iii)(B)(*1*), (*2*), Subpart BBBBBBB | 5.5 | | VRU Monitoring Standards |
| | 40 CFR 63.11092(b)(3), (4), (5), Subpart BBBBBBB | 5.6 | | Continuous Monitoring System Requirement |
| | 40 CFR 63.11092(d), Subpart BBBBBB | 5.7 | | Monitoring Alternative Operating Parameter |
| | 40 CFR 63.11092(f)(1), Subpart BBBBBB | 5.8 | HAP | Annual Certification Test Requirement |
| | 40 CFR 63.11094(b-c), Subpart BBBBBB<br><br>40 CFR 60.505(a-b), (e), Subpart XX | 5.9 | Recordkeeping | Gasoline cargo tank loading recordkeeping requirement |
| | 40 CFR 63.11094(f)(1), (3), Subpart BBBBBB | 5.10 | | Maintain CPMS data |
| | 40 CFR 63.11094(g), Subpart BBBBBB | 5.11 | | Malfunction Recordkeeping Requirement. |
| | 40 CFR 60.502(j), Subpart XX | 5.12 | | Inspect vapor collection system |
| | 40 CFR 60.503, Subpart XX<br>40 CFR 63.11092, Subpart BBBBBB | 5.13 | | Perform Stack Test |
| | 40 CFR 60.505(d), (f), Subpart XX | 5.14 | | Maintain notifications for a minimum of 2 years |

| | | | | |
|---|---|---|---|---|
| AA-003<br>AA-004 | 40 CFR 60.4214(b), Subpart IIII | 5.15 | Recordkeeping | Maintain records of hours of operation |
| AA-005 | 40 CFR 63.11089(a), (b), (c), (d), Subpart BBBBB<br>40 CFR 60.505(c), Subpart XX | 5.16 | HAP<br>VOC | Monthly Leak Inspection |
| | 40 CFR 63.11089(g), 40 CFR 63.11094(d), Subpart BBBBBB | 5.17 | | Monitoring Requirements |
| AA-006<br>AA-007<br>AA-008<br>AA-009<br>AA-010<br>AA-011 | 40 CFR 60.113b(a)(1), Subpart Kb | 5.18 | VOC | Inspection Requirement |
| | 40 CFR 60.113b(a)(2), Subpart Kb | 5.19 | | |
| | 40 CFR 60.113b(a)(3), Subpart Kb | 5.20 | | |
| | 40 CFR 60.113b(a)(4), Subpart Kb | 5.21 | | |
| | 40 CFR 60.115b(a), Subpart Kb | 5.22 | | Maintain inspection reports |
| | 40 CFR 60.116b(a), Subpart Kb | 5.23 | | Maintain Kb records for 2 years |
| | 40 CFR 60.116b(b), Subpart Kb | 5.24 | | Maintain records of tank dimensions |
| | 40 CFR 60.116b(c), Subpart Kb<br>11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). | 5.25 | VOC | VOL storage recordkeeping |

5.1 The permittee shall retain all required records, monitoring data, supporting information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to DEQ as required by Applicable Rules and Regulations or this permit upon request.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.9.)

5.2 For the entire facility, the permittee shall monitor and keep the following records:

(a) Monthly hours of VPU downtime during operation of Emission Points AA-001 and AA-002.

(b) The amount of gasoline, diesel, jet-a, marine gasoil, ethanol, butane, and biodiesel loaded into tank trucks during each month under normal operating conditions and when the VPU is not operating.

(c) The amount of gasoline received and stored at the facility each month.

(d) The amount of diesel received and stored at the facility each month.

(e) The amount of jet-a received and stored at the facility each month.

(f) The amount of marine gasoil received and stored at the facility each month.

(g) The amount of ethanol received and stored at the facility each month.

(h) The amount of butane received and stored at the facility each month.

(i) The amount of biodiesel received and stored at the facility each month.

The above records shall be determined on a monthly basis and for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

5.3 For the entire facility, the permittee shall demonstrate compliance with Condition 3.5 by monitoring and keeping records of VOC emissions. Emissions shall be calculated using applicable emission factors and monthly product throughputs. The permittee shall determine VOC emissions on a monthly basis and for each consecutive 12-month period on a rolling basis.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

5.4 For Emission Points AA-001 and AA-002, the permittee shall conduct an initial performance test as required by 40 CFR 60.8 and subsequent performance tests every five (5) years, not to exceed 61 months from the previous performance test, on the vapor processing and collection systems according to either paragraph (a) or (b) below to demonstrate compliance with Condition 3.9:

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

(b) Use alternative test methods and procedures in accordance with the alternative test method requirements in 40 CFR 63.7(f).

The permittee shall install, calibrate, certify, operate, and maintain a continuous parameter monitoring system (CPMS) for the VCU that is capable of measuring temperature in the firebox or in the ductwork immediately downstream from the firebox. As an alternative to the CPMS requirement listed above the permittee may meet the requirements listed in Condition 5.5 for the VCU.

For each performance test conducted under this condition, the permittee must determine a monitored operating parameter for the vapor processing system (VPU) using the CPMS. The operating parameter must be continuously monitored during the performance test. The permittee shall not be required to perform this if they elect to use the alternative requirements listed in Condition 5.5.

The permittee shall document the reasons for a change in the operating parameter value being monitored where there is a change from the value obtained from a previous performance test.

(Ref.: 40 CFR 63.11088(d), 40 CFR 63.11092(a-b), Subpart BBBBBB)

5.5 For Emission Points AA-001 and AA-002, the permittee shall operate and monitor the VCU in the following manner as an alternative to the CPMS required by Condition 5.4.

(a) The presence of the VCU pilot flame shall be monitored using a heat-sensing device, such as an ultraviolet beam sensor or a thermocouple, installed in proximity of the pilot flame, to indicate the presence of a flame. The heat-sensing

device shall send a positive parameter value to indicate that the pilot flame is on, or a negative parameter value to indicate that the pilot flame is off.

(b) The permittee shall develop and submit to DEQ a monitoring and inspection plan that describes the permittee's approach for meeting the following requirements:

(1) The VCU shall be equipped to automatically prevent gasoline loading operations from beginning at any time that the pilot flame is absent.

(2) The permittee shall, during each day of operation of the loading rack, the proper operation of the assist-air blower and the vapor line valve. Verification shall be through visual observation, or through an automated alarm or shutdown system that monitors system operations. A manual or electronic record of the start and end of a shutdown event may be used.

(3) The permittee shall perform semi-annual preventative maintenance inspections of the VCU, including the automated alarm or shutdown system for those units so equipped according to the recommendations of the manufacturer of the system.

(4) The monitoring plan developed under paragraph b) of this condition shall specify conditions that would be considered malfunctions of the VCU during the inspections or automated monitoring required by 2) and 3) of this condition, described specific corrective actions that will be taken to correct any malfunction, and define wat the permittee would consider to be a timely repair for each potential malfunction.

(5) The permittee shall document any system malfunction, as defined in the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a logbook or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction.

(Ref.: 40 CFR 63.11092(b)(1)(iii)(B)(*1*), (*2*), Subpart BBBBBB)

5.6 For Emission Points AA-001 and AA-002, monitoring an alternative operating parameter of a parameter of a vapor processing system other than those listed in Conditions 5.4 and 5.5 will be allowed upon demonstration to the DEQ's satisfaction that the alternative parameter demonstrates continuous compliance with the emission standard in Condition 3.9

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

(b) Provide for the DEQ's approval the rationale for the selected operating parameter value, monitoring frequency, and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring

frequency, and averaging time demonstrate continuous compliance with the emission standard in Condition 3.9.

(c) If the permittee chooses to comply with the performance testing alternatives in Condition 5.4, the monitored operating parameter value may be determined according to the provisions 1) and 2) below:

(1) Monitor an operating parameter that has been approved by DEQ and is specified in the operating permit. At the time that DEQ requires a new performance test, the permittee must determine the monitored operating parameter value according to the requirements specified in this condition.

(2) Determine an operating parameter value based on engineering assessment and manufacturer's recommendation and submit the information specified in paragraph c) above for approval by DEQ. At the time that DEQ requires a new performance test, the permittee must determine the monitored operating parameter value according to the requirements specified in this condition.

(Ref.: 40 CFR 63.11092(b)(3), (4), (5), Subpart BBBBBBB)

5.7 For Emission Points AA-001 and AA-002, the permittee shall comply with the following requirements:

(a) The permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in Condition 5.4.

(b) In cases where an alternative parameter pursuant to Condition 5.6 is approved, the permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value.

(c) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in Condition 3.9, except as specified in (d) below.

(d) For the monitoring and inspection, as required under Condition 5.5, malfunctions that are discovered shall not constitute a violation of the emission standard in Condition 3.9 if corrective actions as described in the monitoring and inspection plan are followed. The permittee must:

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

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

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

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

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

(Ref.: 40 CFR 63.11092(d), Subpart BBBBBBB)

5.8 For Emission Points AA-001 and AA-002, the permittee shall verify that each gasoline cargo tank loaded has performed the annual certification test for gasoline cargo tanks consisting of the test method described in EPA Method 27, Appendix A-8, 40 CFR Part 60.

The annual certification test shall be performed using a time period (t) for the pressure and vacuum tests of five (5) minutes. The initial pressure ($P_i$) for the pressure test shall be 460 millimeters (mm) of water (18 inches of water), gauge. The initial vacuum ($V_i$) for the vacuum test shall be 150 mm of water (6 inches of water), gauge. The maximum allowable pressure and vacuum changes ($\Delta$ p, $\Delta$ v) for all affected gasoline cargo tanks shall be three (3) inches of water, or less, in five (5) minutes.

(Ref.: 40 CFR 63.11092(f)(1), Subpart BBBBBBB, 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

5.9 For the entire facility, the permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in paragraphs (a) and (b):

(a) Annual certification testing performed under Condition 5.5.

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

(1) Name of test: Annual Certification Test—Method 27.

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

(3) Cargo tank identification number.

(4) Test location and date.

(5) Tester name and signature.

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

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

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

The permittee shall keep an instantly available electronic copy of each record available at the terminal. The copy of each record must be an exact duplicate image of the original paper record with certifying signatures. The DEQ must be notified in writing that the terminal is in compliance with this alternative; or

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

(Ref.: 40 CFR 63.1088(f), 63.11094(b-c), Subpart BBBBBB and 40 CFR 60.505(a-b), 40 CFR 60.505(e), Subpart XX)

5.10 For Emission Points AA-001 and AA-002, the permittee shall keep an up-to-date, readily accessible record of the continuous monitoring data required under Conditions 5.6, and 5.7. 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.

The permittee shall keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under Condition 5.7 if the permittee chooses this compliance option.

The permittee shall keep an up-to-date, readily accessible record of all system malfunctions as specified by Condition 5.7.

(Ref.: 40 CFR 63.11094(f)(1), (3), Subpart BBBBBBB)

5.11 For Emission Points AA-001 and AA-002, the permittee shall maintain the following records:

(a) Records of the occurrence and duration of each malfunction of operation of the VPU; and

(b) Records of actions taken during periods of malfunction to minimize emissions in accordance with Condition 4.1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(Ref.: 40 CFR 63.11094(g), Subpart BBBBBB)

5.12 For Emission Points AA-001 and AA-002, the vapor processing system and each loading rack handling gasoline shall be inspected each calendar month during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. Detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded, and the source of the leak repaired within 15 calendar days after it is detected.

(Ref.: 40 CFR 60.502(j), Subpart XX)

5.13 For Emission Points AA-001 and AA-002, the permittee shall demonstrate compliance with the TOC emissions limitations on the vapor processing system by stack testing in accordance with EPA Reference Method 25A or 25B and the test methods and procedures specified in 40 CFR 60.503 and 40 CFR 63.11092(a)(i). A stack test shall be conducted once every five years not to exceed 61 months from the previous stack test. The permittee shall demonstrate compliance with a stack test completed no later than twelve (12) months after permit issuance.

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

(Ref.: 40 CFR 60.503, Subpart XX, 40 CFR 63.11092, Subpart BBBBBB)

5.14 For Emission Points AA-001 and AA-002, the permittee shall keep records of all notifications on file for at least two (2) years.

(Ref.: 40 CFR 60.505(d), (f), Subpart XX)

5.15 For Emission Points AA-003 and AA-004, the permittee shall keep records of the operation of the engines in emergency and non-emergency service that are recorded through the non-resettable hour meter required by Condition 3.21. The permittee shall record the time of operation of the engine and the reason the engine was in operation during that time.

(Ref.: 40 CFR 60.4214(b), Subpart IIII)

5.16 For Emission Point AA-005, the permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100, Subpart BBBBBB. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

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

Each detection of a liquid or vapor leak shall be recorded in the logbook. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than five (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.

Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The permittee shall provide in the semiannual report specified in Condition 6.3 and 6.4, the reason(s) why the repair was not feasible and the date each repair was completed.

(Ref.: 40 CFR 63.11089(a), (b), (c), (d), Subpart BBBBBB, 40 CFR 60.505(c), Subpart XX)

5.17 For Emission Point AA-005, the permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under Condition 5.4, the record shall contain a full description of the program.

The permittee shall record in the logbook for each leak that is detected and the log book shall contain the following information:

(a) The equipment type and identification number

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

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

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

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

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

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

(Ref.: 40 CFR 63.11089(g), 63.11094(d), (e), Subpart BBBBBB)

5.18 For Emission Points AA-006 through AA-011, the permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner of operator shall repair the items before filling the storage vessel.

(Ref.: 40 CFR 60.113b(a)(1), Subpart Kb)

5.19 For Emission Points AA-006 through AA-011, if equipped with a 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. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required by this condition 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 Condition 6.8. 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 emptied as soon as possible.

(Ref.: 40 CFR 60.113b(a)(2), Subpart Kb)

5.20 For Emission Points AA-006 through AA-011, if the vessels are equipped with a (vapor mounted) double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B):

(a) Visually inspect the vessel as specified in Condition 5.21 at least every 5 years or;

(b) Visually inspect the vessel as specified in Condition 5.19.

(Ref.: 40 CFR 60.113b(a)(3), Subpart Kb)

5.21 For Emission Points AA-006 through AA-011, the permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this condition occur at intervals greater than 10 years in the case of vessels conducting the annual visual

inspection as specified in Condition 5.19 and at intervals no greater than 5 years in the case of vessels specified in Condition 5.9.

(Ref.: 40 CFR 60.113b(a)(4), Subpart Kb)

5.22 For Emission Points AA-006 through AA-011, after installing control equipment in accordance with 40 CFR 60.112b(a)(1) (fixed roof and internal floating roof), the permittee shall keep a record of each inspection performed as required by Condition 5.18 through Condition 5.21. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

(Ref.: 40 CFR 60.115b(a), Subpart Kb)

5.23 For Emission Points AA-006 through AA-011, the permittee shall keep copies of all records required by Subpart Kb for at least two years.

(Ref.: 40 CFR 60.116b(a), Subpart Kb)

5.24 For Emission Points AA-006 through AA-011, the permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

(Ref.: 40 CFR 60.116b(b), Subpart Kb)

5.25 For Emission Points AA-006 through AA-011, the permittee shall maintain a record of the liquid stored, the period of storage, the maximum true vapor pressure of the liquid during the respective storage period and applicability to 40 CFR 60, Subpart Kb. The permittee shall also maintain a record of each roof landing along with the landing's duration and reason for the landing.

(Ref.: 11 Miss. Admin. Code Pt. 2, Ch. 2. 2.2.B(11). and 40 CFR 60.116b(c), Subpart Kb)

## REPORTING REQUIREMENTS

| Emission Point | Applicable Requirement | Condition Number(s) | Reporting Requirement |
|---|---|---|---|
| Facility-Wide | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). | 6.1(a) | Report deviations within five (5) working days |
| | | 6.1(b) | Semiannual reporting |
| | | 6.1(c) | Certification by responsible official |
| | 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2). | 6.1(d) | Notification of beginning actual construction within 15 days |
| | 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3). | 6.1(e) | Notification when construction does not being or is suspended |
| | 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3). | 6.1(f) | Certification of completion of construction prior to operation |
| | 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2). | 6.1(g) | Notification of changes in construction |
| | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). | 6.2 | Report VPU emissions, downtime loading, product loaded and stored. |
| | 40 CFR 63.11087(e), 63.11088(f), 63.11095(a) and (b), Subpart BBBBBB | 6.3 | Semiannual compliance report |
| | 40 CFR 63.11087(e), 63.11088(f), 40 CFR 63.11095(a)(1) and (b), Subpart BBBBBB | 6.4 | Semiannual excess emissions report |
| AA-001<br>AA-002 | 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11). | 6.5 | Stack test notification |
| | | 6.6 | Stack test submittal |
| AA-007<br>AA-008<br>AA-009<br>AA-010<br>AA-011 | 40 CFR 60.113b(a)(5), Subpart Kb | 6.7 | Notification of tank refills |
| | 40 CFR 60.115b(a)(3-4), Subpart Kb | 6.8 | Notification of defects |

### 6.1 General Reporting Requirements:

(a) 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. 2.2.B(11).)

(b) Beginning upon issuance of this permit and lasting until issuance or modification of the applicable operating permit, the permittee shall submit reports of any required monitoring by July 31st and January 31st for the preceding six-month

period. 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. 2.1.C. Where no monitoring data is required to be reported and/or there are no deviations to report, the report shall contain the appropriate negative declaration. For any air emissions equipment not yet constructed and/or operating the report shall so note and include an estimated date of commencement of construction and/or startup, whichever is applicable.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

(c) Any document required by this permit to be submitted to the DEQ shall contain a certification signed by a responsible official stating 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. 2.2.B(11).)

(d) Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)

(e) The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).)

(f) Upon the completion of construction or installation of an approved stationary source or modification, and prior to commencing operation, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1) and (3).)

(g) The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “as built” application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).)

6.2 For the entire facility, the permittee shall submit a semiannual monitoring report in accordance with Condition 6.1(b) and (c) containing the following:

(a) The annual total VOC emissions including, but not limited to, evaporative losses from roof landings, tank cleaning, tank working and breathing losses, truck loading rack emissions and fugitive emissions. This report shall include calculation methods and emissions factors used based on actual operation of the facility for the previous twelve months.

(b) The VPU downtime during operation of the Emission Points AA-001 and AA-002.

(c) The amount of gasoline, diesel, jet-a, marine gasoil, ethanol, butane, and biodiesel loaded into tank trucks when the VPU is not operating.

(d) The amount of gasoline received and stored at the facility each month.

(e) The amount of diesel received and stored at the facility each month.

(f) The amount of jet-a received and stored at the facility each month.

(g) The amount of marine gasoil received and stored at the facility each month.

(h) The amount of ethanol received and stored at the facility each month.

(i) The amount of butane received and stored at the facility each month.

(j) The amount of biodiesel received and stored at the facility each month.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).

6.3 For the entire facility, the permittee shall submit the following information to the DEQ in a semiannual compliance report in accordance with Condition 6.1(b) and (c)

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

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

(c) The number, duration, and a brief description of each type of malfunction which occurred during the reporting period, and which caused or may have caused any applicable emission limitation to be exceeded; a description of actions taken during the malfunction to minimize emissions in accordance with 40 CFR 63.11085(a); and actions taken to correct the malfunction.

(Ref.: 40 CFR 63.11087(e), 40 CFR 63.11088(f), 40 CFR 63.11095(a) and (d), Subpart BBBBBB)

6.4 For the entire facility, the permittee shall submit a semiannual excess emissions report to DEQ in accordance with Condition 6.1 (b) and (c) for any 6-month period during which an excess emission event has occurred. If no excess emission events have occurred during

the 6-month period, no report is required. Excess emissions events and the information to be included in the excess emissions report, are specified in paragraphs (a) through (e) of this condition.

(a) 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.

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

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

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

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

(1) The date on which the leak was detected.

(2) The date of each attempt to repair the leak.

(3) The reasons for the delay of repair.

(4) The date of successful repair.

(f) The permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with Condition 4.1, including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. Owners or operators of affected bulk plants

are not required to submit reports for periods during which no malfunctions occurred.

(Ref.: 40 CFR 63.11087(e), 63.11088(f), 63.11089(g), 63.11095(b), (c), (d), Subpart BBBBBB)

6.5 For Emission Points AA-001 and AA-002, the permittee shall submit a written test protocol at least thirty (30) days prior to the intended test date(s) required by Condition 5.13 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 test so that an observer may be afforded the opportunity to witness the test.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)., 40 CFR 60.503, Subpart XX, 40 CFR 63.11092, Subpart BBBBBB)

6.6 The permittee shall submit all stacks test as required by Condition 5.13 within 60 days upon completion of the test.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).)

6.7 For Emission Points AA-007 through AA-011, the permittee shall notify the DEQ in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Conditions 5.18 and 5.21 to afford the DEQ the opportunity to have an observer present. If the inspection required by Condition 5.21 is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the DEQ at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the DEQ at least 7 days prior to the refilling.

(Ref.: 40 CFR 60.113b(a)(5), Subpart Kb)

6.8 For Emission Points AA-007 through AA-011,

(a) If any of the conditions described in Condition 5.18 are detected during the annual visual inspection required in Condition 5.18, a report shall be furnished to the DEQ within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

(b) After each inspection required by Condition 5.19 that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii), a report shall be furnished to the DEQ within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made.

(Ref.: 40 CFR 60.115b(a)(3-4), Subpart Kb)