



## State of Mississippi



### FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

#### **THIS CERTIFIES**

Citgo Petroleum Corporation, Vicksburg Terminal  
1585 Haining Road  
Vicksburg, MS  
Warren 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 the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

**Mississippi Environmental Quality Permit Board**

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**Mississippi Department of Environmental Quality**

Issued/Modified: NOV 06 2013

Expires: OCT 31 2018

Permit No. 2780-00063

Agency Interest # 12057

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Other Relevant Documents:

    New Source Performance Standard, Subpart Kb (40 CFR 60)

    New Source Performance Standard Subpart XX (40 CFR 60)

    National Emission Standard for Hazardous Air Pollutants, Subpart BBBBBB (40 CFR 63)

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Citgo Petroleum Corporation, Vicksburg Terminal

Subject Item Inventory

Permit Number:2780-00063

Activity ID No.: PER20100001

### Subject Item Inventory:

ID	Designation	Description
AI12057	12057	Bulk Fuel Terminal
AREA1	FUG-001	Equipment in Gasoline Service Leaks
AREA2	FUG-002	Fugitives from Equipment Not in Gasoline Service
EQPT2	AA-002	1,176,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 2)
EQPT3	AA-003	840,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 3)
EQPT4	AA-004	630,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 4)
EQPT5	AA-005	1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 5)
EQPT6	AA-006	1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 6)
EQPT7	AA-007	1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 7)
EQPT8	AA-008	1,266,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 8)
EQPT9	AA-009	1,266,000 Gallon Gasoline or Diesel StorageTank with an Internal Floating Roof (Ref. Tank 9)
EQPT12	AA-012	10,000 Gallon Additive Storage Tank with a Horizontal Floating Roof (Ref. Tank A-1)
EQPT13	AA-013	8,000 Gallon Additive Storage Tank with a Vertical Fixed Roof (Ref. Tank A-2)
EQPT14	AA-014	4,000 Gallon Additive Storage Tank with a Vertical Fixed Roof (Ref. Tank A-3)
EQPT15	AA-015	2,000 Gallon Additive Storage Tank with a Horizontal Fixed Roof (Ref. Tank A-4)
EQPT16	AA-016	1,000 Gallon Additive Storage Tank with a Horizontal Fixed Roof (Ref. Tank A-5)
EQPT17	AA-017	18,000 Gallon Petroleum Contact Water Storage Tank with an Internal Floating Roof (Ref. Tank W/T-1)
EQPT18	AA-018	Loading Rack with Three (3) Loading Bays and a Vapor Combustion Unit (VCU)
EQPT20	AA-020	2,000 Gallon Additive Storage Tank with a Horizontal Fixed Roof (Ref. Tank A-6)
EQPT21	AA-021	1,000 Gallon Red Dye Storage Tank with a Horizontal Fixed Roof (Ref. Tank A-7)
EQPT22	AA-022	30,000 Gallon Ethanol Storage Tank with a Vertical Fixed Roof (Ref. Tank 10)
EQPT23	AA-023	30,000 Gallon Ethanol Storage Tank with a Vertical Fixed Roof (Ref. Tank 11)

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ID	Designation	Description
EQPT26	AA-024	30,000 Gallon Denatured Ethanol Storage Tank with Vertical Fixed Roof

### Subject Item Groups:

ID	Description	Components
GRPT1	Storage Tanks in Gasoline Service	EQPT5 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 5)
		EQPT6 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 6)
		EQPT7 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 7)
		EQPT9 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 9)
GRPT3	Storage Tanks in Gasoline Service	EQPT2 1,176,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 2)
		EQPT3 840,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 3)
		EQPT4 630,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 4)
		EQPT8 1,266,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 8)
GRPT2	All Equipment in Gasoline Service	AREA1 Equipment in Gasoline Service Leaks
		EQPT2 1,176,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 2)
		EQPT3 840,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 3)
		EQPT4 630,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 4)
		EQPT5 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 5)
		EQPT6 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 6)
		EQPT7 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 7)
		EQPT8 1,266,000 Gallon Gasoline or Distillate Fuel Storage Tank with an Internal Floating Roof (Ref. Tank 8)
		EQPT9 1,266,000 Gallon Gasoline or Diesel Storage Tank with an Internal Floating Roof (Ref. Tank 9)

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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ID	Description	Components
GRPT2	All Equipment in Gasoline Service	EQPT18 Loading Rack with Three (3) Loading Bays and a Vapor Combustion Unit (VCU)

### Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 12057 Bulk Fuel Terminal	Discharges Into	Vicksburg Harbor Channel
	Then Into	Yazoo Canal
	Then Into	Mississippi River

#### KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

PCS = PCS

TRMT = Treatment

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

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Facility Requirements

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### AI0000012057 (12057) Bulk Fuel Terminal:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, Ch. 1. 3.1.a]
L-2		The permittee shall be limited to a maximum annual gasoline throughput of 200,000,000 gallons/year based on a (12) month rolling total. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-3		The permittee shall be limited to a maximum annual distillate fuel throughput of 90,000,000 gallons/year based on a (12) month rolling total. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]
L-4		The permittee shall be limited to a maximum annual ethanol throughput of 30,000,000 gallons/year based on a (12) month rolling total. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall maintain monthly records to document the facility's gasoline, distillate fuel, and ethanol throughput rates. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]
R-2	All records required by this permit shall be maintained at the facility and made available upon request by the Office of Pollution Control. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]

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### AI0000012057 (continued):

#### Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: 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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
S-2	Except as otherwise specified herein, the permittee shall Submit a certified semi-annual synthetic minor monitoring report: Due semiannually, by the 31st of January and July for preceding six months. This report shall address any required monitoring specified in the permit. Specifically, the report shall include a summary of the facility's gasoline, distillate fuel and ethanol throughput rates for the previous 12 month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]

#### Narrative Requirements:

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, Ch. 1. Section 10]
T-5	General Condition: 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. [11 Miss. Admin. Code Pt. 2, R. 2.10.]

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### AI0000012057 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-6	<p>General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:</p> <p>(a) To enter 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</p> <p>(b) At reasonable times 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 emission. [Miss. Code Ann. 49-17-21]</p>
T-7	<p>General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin. Code Pt. 2, R. 2.2.C.]</p>
T-8	<p>General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this 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 condition of the permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).]</p>
T-9	<p>General Condition: Except for data determined to be confidential under the Mississippi Air &amp; 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. [Miss. Code Ann. 49-17-39]</p>
T-10	<p>General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).]</p>
T-11	<p>General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(7)]</p>



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### AI0000012057 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin. Code Pt. 2, R. 2.1.D(1)]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [11 Miss. Admin. Code Pt. 2, R. 2.4.D]
T-15	General Condition: 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. [11 Miss. Admin. Code Pt. 2, R. 2.1.D(7)]
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ 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 MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).]

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**AI0000012057 (continued):**

### Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in APC-S-2, "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or 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:</p> <ul style="list-style-type: none"><li>(a) routine maintenance, repair, and replacement;</li><li>(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;</li><li>(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;</li><li>(d) use of an alternative fuel or raw material by a stationary source which: (i) 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 (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;</li><li>(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 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or</li><li>(f) any change in ownership of the stationary source" [11 Miss. Admin. Code Pt. 2, R. 2.1.D(2)]</li></ul>
T-18	<p>General Condition: 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 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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).]</p>
T-19	<p>General Condition: The permittee shall retain all required records, monitoring data, supported 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 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 MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin. Code Pt. 2, R. 2.9.]</p>
T-20	<p>General Condition: 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 constructing or operating without a valid permit. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(5)]</p>

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### AI0000012057 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-21	<p>General Condition: Emergencies</p> <p>(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.</p> <p>(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.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) 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 (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p>
T-22	<p>General Condition: Upsets</p> <p>(a) 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 five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin. Code Pt. 2, R. 1.10.]</p>

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### AI0000012057 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) 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.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin. Code Pt. 2, R. 1.10.]</p>
T-24	<p>General Condition: Maintenance</p> <p>(a) 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 MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin. Code Pt. 2, R. 1.10.]</p>
T-25	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.8.]</p>
T-26	<p>The operator of the equipment covered by this permit shall operate and maintain this equipment to assure that the emission rates will not, at any time, exceed the rates allowed by the Mississippi Air Emissions Regulations. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]</p>

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### AREA0000000001 (FUG-001) Equipment in Gasoline Service Leaks :

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to and shall comply with the National Emission Standards for Hazardous Air Pollutants for Source Category (NESHAP), 40 CFR 63, Subpart A-General Provisions and Subpart BBBBBB - Standards for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. [40 CFR 63_SUBPART BBBBBB]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.</p> <p>A log book shall be used and shall be signed by the permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.</p> <p>Each detection of a liquid or vapor leak shall be recorded in the log book. 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.</p> <p>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 40 CFR 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(a-d)]</p>
R-2	<p>The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. If the permittee elects to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program. [40 CFR 63.11094(d), 40 CFR 63.11089(g)]</p>

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### AREA0000000001 (continued):

#### Record-Keeping Requirements:

Condition No.	Condition
R-3	<p>The permittee shall record in the log book for each leak that is detected the information specified in the list below:</p> <ol style="list-style-type: none"><li>(1) The equipment type and identification number.</li><li>(2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).</li><li>(3) The date the leak was detected and the date of each attempt to repair the leak.</li><li>(4) Repair methods applied in each attempt to repair the leak.</li><li>(5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.</li><li>(6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.</li><li>(7) The date of successful repair of the leak. [40 CFR 63.11089(g), 40 CFR 63.11094(e)]</li></ol>

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### EQPT0000000018 (AA-018) Loading Rack with Three (3) Loading Bays and a Vapor Combustion Unit (VCU):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Total Organic Compounds (TOC)	The permittee shall have emissions of Total Organic Compounds (TOC) <= 35 mg/L of gasoline loaded, as determined by EPA Reference Methods and procedures as defined in 40 CFR 60.503. [40 CFR 60_SUBPART XX]
L-2		Emission Point AA-018 is subject to 40 CFR 63, Subpart BBBBBB and 40 CFR 60, Subpart XX. The permittee has elected to comply with only the more stringent provisions of these subparts, as allowed by §63.11081(i) of 40 CFR 63, Subpart BBBBBB. The most stringent limitation is found in 40 CFR 60, Subpart XX-Standards of Performance for Bulk Gasoline Terminals. [40 CFR 63.11081(i)]
L-3		The permittee shall operate the loading rack with TOC vapors displaced from cargo tanks collected, routed to, and controlled by the vapor combustion unit (VCU). The vapor collection system shall be operated to prevent any TOC vapors collected at one loading rack or bay from passing through another loading rack or bay to the atmosphere. [40 CFR 63.11088(a and)(Table 2)item 1, 40 CFR 63_SUBPART BBBBBB, 11 Miss. Admin. Code Pt. 2, Ch. 2. B.II(10)]
L-4		The permittee shall limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in §60.502(e) through (j) of 40 CFR 60, Subpart XX. The permittee shall ensure that the annual vapor tightness certification test is conducted according to the test methods specified in §63.11092(f). For the purposes of this section, the term "gasoline tank truck" as used in §60.502(e) through (j) means "gasoline cargo tank" as defined in § 63.11100. [40 CFR 63_SUBPART BBBBBB, 40 CFR 63.11088(a), 40 CFR 63.11092(f and)(Table 2)item 1]

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### EQPT0000000018 (continued):

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>The permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system while gasoline vapors are displaced to the thermal oxidation system. The permittee shall monitor the operation of the thermal oxidation system as specified below:</p> <p>( 1 ) The presence of a thermal oxidation system pilot flame shall be monitored using a heat-sensing device installed in proximity of the pilot light, 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.</p> <p>( 2 ) Develop and submit to the Department a monitoring and inspection plan that describes the approach for meeting the requirements in (a) through (e) of this paragraph.</p> <p>( a ) The thermal oxidation system shall be equipped to automatically prevent gasoline loading operations from beginning at any time that the pilot flame is absent.</p> <p>( b ) The permittee shall verify, 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 operation. A manual or electronic record of the start and end of a shutdown event may be used.</p> <p>( c ) The permittee shall perform semi-annual preventive maintenance inspections of the thermal oxidation system, including the automated alarm or shutdown system for those units so equipped, according to the recommendations of the manufacturer of the system.</p> <p>( d ) The monitoring plan shall specify conditions that would be considered malfunctions of the thermal oxidation system during the inspections or automated monitoring performed under paragraphs (b) and (c) above, describe specific corrective actions that will be taken to correct any malfunction, and define what would be considered a timely repair for each potential malfunction.</p> <p>[40 CFR 63.11088(d), 40 CFR 63.11092(b)1(and c)]</p>



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### EQPT0000000018 (continued):

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		<p>continued from M-1</p> <p>( e ) 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 log book 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.</p> <p>The permittee shall document the reasons for a change in the operating parameter value being monitored (i.e. the presence of a pilot flame) when there is a change from what was established in a previous performance test. [40 CFR 63.11088(d), 40 CFR 63.11092(b)1(and c)]</p>

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### EQPT0000000018 (continued):

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-3		<p>The permittee shall comply with the requirements in following paragraphs:</p> <p>(1) 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 40 CFR 63.11092(b)(1).</p> <p>(2) 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 40 CFR 63.11088(a), except as specified below in paragraph (3).</p> <p>(3) For the monitoring and inspection, as required in 40 CFR 63.11092(b)(1)(i)(B)(2) and 40 CFR 63.11092(b)(1)(iii)(B)(2), malfunctions that are discovered shall not constitute a violation of the emission standard in 40 CFR 63.11088(a) if corrective actions as described in the monitoring and inspection plan are followed. The permittee must:</p> <p>(a) Initiate corrective action to determine the cause of the problem within 1 hour;</p> <p>(b) Initiate corrective action to fix the problem within 24 hours;</p> <p>(c) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions;</p> <p>(d) Minimize periods of start-up, shutdown, or malfunction; and</p> <p>(e) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem. [40 CFR 63.11088(d), 40 CFR 63.11092(d)]</p>

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### EQPT0000000018 (continued):

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility according to the following:</p> <ul style="list-style-type: none"><li>(1) Records of the annual certification testing performed under 40 CFR 63.11092(f).</li><li>(2) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the information specified in 40 CFR 63.11094(b)(2)(i) through (viii).</li><li>(3) As an alternative to keeping records at the terminal of each gasoline cargo tank test result, as required in (1) and (2) above, the permittee may comply with the requirements in 40 CFR 63.11094(c)(1) or (c)(2). [40 CFR 63.11094(b)-(c)]</li></ul>

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### GRPT0000000001 (AT-001) Storage Tanks in Gasoline Service:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to and shall comply with the National Emission Standards for Hazardous Air Pollutants for Source Category (NESHAP), 40 CFR 63, Subpart A-General Provisions and Subpart BBBBBB - Standards for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. [40 CFR 63_SUBPART BBBBBB]
L-2		The permittee is subject to and shall comply with the New Source Performance Standards (NSPS) 40 CFR 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels ) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 and the General Provisions in Subpart A. [40 CFR 60_SUBPART Kb]
L-3		The permittee shall equip each internal floating roof gasoline storage tank according to the requirements in 40 CFR 60.112b(a)(1) excluding 40 CFR 60.112b(a)(1)(ii)(B) and 40 CFR 60.112b(a)(1)(iv) through (ix). [40 CFR 63.11087(a), 40 CFR 63.Subpart BBBBBB(Table 1)]
L-4		The permittee shall meet the specifications for internal floating roofs tanks in 40 CFR 60.112b(a)(1). [40 CFR 60_SUBPART Kb]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall perform inspections of the floating roof system according to the requirements of 40 CFR 60.113b(a). [40 CFR 63.11092(e)(1)]
M-2		The permittee shall meet the testing requirements in 40 CFR 60.113b(a). [40 CFR 60_SUBPART Kb]

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**GRPT0000000001 (continued):**

**Record-Keeping Requirements:**

Condition No.	Condition
R-1	The permittee shall keep records as specified in 40 CFR 60.115b, except these records shall be kept for at least 5 years. [40 CFR 63.11087(e), 40 CFR 63.11094(a)]
R-2	The permittee shall keep records and furnish reports according to 40 CFR 60.115b and 60.116b. [40 CFR 60_SUBPART Kb]

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### GRPT0000000003 (AT-002) Storage Tanks in Gasoline Service:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to and shall comply with the National Emission Standards for Hazardous Air Pollutants for Source Category (NESHAP), 40 CFR 63, Subpart A-General Provisions and Subpart BBBBBB - Standards for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. [40 CFR 63_SUBPART BBBBBB]
L-2		The permittee shall equip and operate each internal floating roof gasoline storage tank according to the applicable requirements in 40 CFR Part 63, Subpart WW, Section 63.1063(a)(1) and (b), except for the secondary seal requirements under § 63.1063(a)(1)(i)(C) and (D). [40 CFR 63.11087(a), 40 CFR 63_SUBPART BBBBBB.Table 1]

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall perform inspections of the floating roof system according to the requirements of 40 CFR 63.1063(c)(1). [40 CFR 63.11092(e)(1)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall keep records as specified in 40 CFR 63.1065, except these records shall be kept for at least 5 years. [40 CFR 63.11087(e), 40 CFR 63.11094(a)]

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### GRPT0000000002 (AG-001) All Equipment in Gasoline Service:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Emission Points AA-002 through AA-009, AA-018, and FUG-001 are subject to and shall comply with 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. [40 CFR 63.11081(a)(1)]
L-2		The permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to 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. [40 CFR 63.11085(a)]

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>For Emission Point AA-018, and when applicable, Emission Points AA-002 through AA-009, the permittee shall:</p> <p>(1) Keep an up-to-date, readily accessible record of the continuous monitoring data required under § 63.11092(b)(1)(iii). 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.</p> <p>(2) Keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under 40 CFR 63.11092(b)(1)(iii)(B)(2).</p> <p>(3) Keep an up-to-date, readily accessible record of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment and all system malfunctions, as specified in 40 CFR 63.11092(b)(1)(iii)(B)(2)(v).</p> <p>(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11087(e), 40 CFR 63.11088(f), 40 CFR 63.11094(f)-(g)]</p>

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### GRPT0000000002 (continued):

#### Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For Emission Points AA-002 through AA-009, AA-018, and FUG-001, the permittee shall submit the following information to the Department in the semiannual compliance report:</p> <p>(1) For storage vessels complying with the option 2(b) in Table 1 to Subpart BBBBBBB, the information specified in 40 CFR 60.115b(a). For storage tanks complying with option 2(d) in Table 1 to Subpart BBBBBBB, the information specified in 40 CFR 63.1066.</p> <p>(2) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.</p> <p>(3) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection</p> <p>(4) 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 § 63.11085(a); and actions taken to correct the malfunction. [40 CFR 63.11087(e), 40 CFR 63.11088(f)-(g), 40 CFR 63.11095(a)(and (d))]</p>



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### GRPT0000000002 (continued):

#### Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>For Emission Points AA-002 through AA-009, AA-018, &amp; FUG-001, the permittee shall submit an excess emissions report to the Department at the time the semiannual compliance report is submitted. Excess emissions events and the information to be included in the excess emissions report, are specified in paragraphs (1) through (5) of this condition.</p> <p>(1) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR 63.11092(b). 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.</p> <p>(2) Each instance in which malfunctions discovered during the monitoring and inspections required under 40 CFR 63.11092(b)(1)(iii)(B)(2) 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.</p> <p>(3) 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:</p> <ul style="list-style-type: none"><li>(a) The date on which the leak was detected;</li><li>(b) The date of each attempt to repair the leak;</li><li>(c) The reasons for the delay of repair;</li><li>(d) The date of successful repair</li></ul> <p>(4) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the owner or operator 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.</p> <p>(5) 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 § 63.11094(b). [40 CFR 63.11095(b), 40 CFR 63.11089(g), 40 CFR 63.11088(f), 40 CFR 63.11087(e)]</p>

## GENERAL INFORMATION

Citgo Petroleum Corporation, Vicksburg Terminal  
1585 Haining Road  
Vicksburg, MS  
Warren County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
12057	Citgo Petroleum Corporation	Official Site Name	10/11/1994	
MSD991277658	Citgo Petroleum Corporation, Vicksburg Terminal	Hazardous Waste-EPA ID	10/12/2000	
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Synthetic Minor Operating	6/29/1998	1/1/2001
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Construction	6/29/1998	1/21/2001
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Synthetic Minor Operating	12/19/1995	1/1/2001
MS0044679	Citgo Petroleum Corporation, Vicksburg Terminal	Water - NPDES	10/11/1994	10/10/1999
2814900063	Citgo Petroleum Corp, Vicksburg Terminal	Air-AIRS AFS	6/29/1998	
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Synthetic Minor Operating	5/30/2001	4/30/2006
MS0044679	Citgo Petroleum Corporation, Vicksburg Terminal	Water - NPDES	4/30/2002	3/31/2007
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Synthetic Minor Operating	5/2/2006	4/30/2011
MS0044679	Citgo Petroleum Corporation, Vicksburg Terminal	Water - NPDES	6/6/2007	5/31/2012
12057 001	Citgo Petroleum, Vicksburg	GARD	4/27/1993	
MSG130357	Citgo Petroleum Corporation, Vicksburg Terminal	GP-Hydrostatic Testing	4/11/2012	8/31/2016
278000063	Citgo Petroleum Corporation, Vicksburg Terminal	Air-Synthetic Minor Operating	11/6/2013	10/31/2018

**Basin:** Yazoo River Basin

**Location Description:**PG- Plant Entrance (General). Data collected by Greg Miller on 11/02/2005. Elevation 149 feet.

## **GENERAL INFORMATION**

### **Relevant Documents:**

New Source Performance Standard, Subpart Kb (40 CFR 60)

New Source Performance Standard Subpart XX (40 CFR 60)

National Emission Standard for Hazardous Air Pollutants, Subpart BBBBBB (40 CFR 63)