

# Part 70 Operating Permit

**Permit Number:** 5171-089-0121-V-04-0      **Effective Date:**

**Facility Name:** Magellan Terminals Holdings, LP - Doraville II Terminal

**Facility Address:** 2797 Woodwin Road  
Doraville, Georgia 30060, DeKalb County

**Mailing Address:** P.O. Box 22186  
Tulsa, Oklahoma 74121-2186

**Parent/Holding Company:** Magellan Terminals Holdings, LP

**Facility AIRS Number:** 04-13-089-00121

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a Part 70 Permit for:

The operation of a bulk gasoline terminal with a loading rack, ethanol blending equipment, a vapor control system, including a vapor combustor and ten large storage tanks.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit. Unless modified or revoked, this Permit expires five years after the effective date indicated above.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above, for any misrepresentation made in Title V Application No. TV-19982 signed on October 11, 2010, any other applications upon which this Permit is based, supporting data entered therein or attached thereto, or any subsequent submittal of supporting data, or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **41** pages.

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Director  
Environmental Protection Division

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**PART 1.0 FACILITY DESCRIPTION**

**1.1 Site Determination**

The facility includes a storage tank farm and a truck loading rack area.

**1.2 Previous and/or Other Names**

This facility was originally issued a Title V permit under the name Conoco, Inc. Prior to Title V permitting, this facility was known and permitted as Southern Facilities.

**1.3 Overall Facility Process Description**

This facility is a bulk gasoline terminal, which receives product by underground pipeline and dispenses it through a loading rack to trucks where it is delivered to gasoline dispensing facilities (gas stations) and bulk gasoline plants. Emissions from the transfer of gasoline are controlled with a vapor combustor. There are ten large storage tanks at this facility, which store petroleum products. Seven of these tanks are equipped with internal floating roofs, and the remaining three tanks have fixed roof. There are also three other small (less than 10,000 gallon capacity) tanks at this facility.

**PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY****2.1 Facility Wide Emission Caps and Operating Limits**

None applicable.

**2.2 Facility Wide Federal Rule Standards**

None applicable.

**2.3 Facility Wide SIP Rule Standards**

2.3.1 The Permittee shall comply with 391-3-1-.02(2)(bbb) "Gasoline Marketing."  
[391-3-1-.02(2)(bbb)]

**a. General Requirements**

- i. The Permittee may not produce, store, transport, supply, offer to supply, transfer or otherwise handle, sell, offer for sale, or dispense gasoline that does not meet the limits specified in this subsection when tested in accordance with the test methods specified in this subsection, unless the gasoline is segregated and clearly documented as not for sale or supply to an ultimate consumer in the following 45-counties: Banks, Barrow, Bartow, Butts, Carroll, Chattooga, Cherokee, Clarke, Clayton, Cobb, Coweta, Dawson, DeKalb, Douglas, Fayette, Floyd, Forsyth, Fulton, Gordon, Gwinnett, Hall, Haralson, Heard, Henry, Jackson, Jasper, Jones, Lamar, Lumpkin, Madison, Meriwether, Monroe, Morgan, Newton, Oconee, Paulding, Pickens, Pike, Polk, Putnam, Rockdale, Spalding, Troup, Upson and Walton.
- ii. Gasoline which meets the limits specified in this subsection, shall also be segregated and clearly documented as such.

**b. Reid Vapor Pressure.**

- i. During the period from June 1 to September 15 of any calendar year, the Reid vapor pressure of the gasoline shall not exceed 7.0 psi. The Reid vapor pressure of gasoline sampled from any downstream location shall not exceed 7.3 psi.
- ii. An ethanol blend is considered in compliance if its measured Reid vapor pressure does not exceed 8.0 psi. This waiver is subject to the following conditions:
  - (A) Gasoline must contain denatured, anhydrous ethanol. The concentration of ethanol, excluding the required denaturing agent, must be at least 9 percent and no more than 10 percent (by volume) of the gasoline.
  - (B) Each invoice, loading ticket, bill of lading, delivery ticket and any other document that accompanies a shipment of gasoline containing ethanol shall

contain a legible and conspicuous statement that the gasoline being shipped contains ethanol and the percentage concentration of ethanol.

c. Sulfur Content.

- i. The sulfur content of all gasoline supplied by each producer or importer and designated for the counties listed in subparagraphs a.(i) shall not exceed a quarterly average of 90 ppm (by weight) and a per-gallon cap of 200 ppm (by weight). For each calendar quarter, the sulfur content shall be averaged on a volume-weighted basis over the pool of gasoline supplied by the producer or importer in accordance with this subsection during the subject calendar quarter. The sulfur content of gasoline sampled at any downstream location, shall not exceed 230 ppm (by weight).
- ii. The sulfur content of all gasoline supplied by each producer or importer and designated for the counties listed in subparagraphs a.(i) shall not exceed an annual average of 30 ppm (by weight) and a per-gallon cap of 150 ppm (by weight). For each calendar year, the sulfur content shall be averaged on a volume-weighted basis over the pool of gasoline supplied by the producer or importer in accordance with this subsection during the subject calendar year. The sulfur content of gasoline sampled at any downstream location shall not exceed 175 ppm (by weight)
- iii. The sulfur content of all gasoline supplied by each producer or importer and designated for the counties listed in subparagraphs a.(i) shall not exceed a seasonal per-gallon cap of 80 ppm (by weight) for the period June 1 through September 15 of each calendar year. The sulfur content of gasoline sampled at any downstream location shall not exceed 95 ppm (by weight) during each June 1 through September 15 season.

**2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit**

None applicable.

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### PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

#### 3.1 Emission Units

Emission Units		Specific Limitations/Requirements*		Air Pollution Control Devices
ID No.	Description	Applicable Requirements/Standards**	Corresponding Permit Conditions	Description
D001	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Single seal, vapor mounted
D002	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Double seal
D005	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Double seal
D006	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Single seal, vapor mounted
D008	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof
D009	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Single seal, vapor mounted
D010	Internal Floating Roof Tank	391-3-1-.02(2)(bb) 40 CFR 63, Subpt BBBB	3.3.3, 3.4.1, 3.4.2, 5.2.5, 5.2.6, 5.2.7, 6.2.6	Internal Floating Roof Double seal
D020	Tank Truck Loading Rack	391-3-1-.02(2)(cc) 391-3-1-.02(2)(ss) 40 CFR 60, Subpt XX 40 CFR 63, Subpt BBBB	3.3.1, 3.3.5, 3.3.6, 3.3.7, 3.4.3, 3.4.4, 3.5.1, 3.5.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 6.2.1, 6.2.3, 6.2.6, 6.2.7, 6.2.8	Flare
D021	Vapor Combustion Unit	391-3-1-.02(2)(cc) 391-3-1-.02(2)(ss) 40 CFR 60, Subpt XX 40 CFR 63, Subpt BBBB	3.2.1, 3.3.1, 3.3.2, 3.4.3, 3.4.4, 3.5.1, 3.5.2, 4.2.1, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 6.2.1, 6.2.3, 6.2.6, 6.2.7, 6.2.8	Unit is control Device
D022	Component Fugitives (valves, flanges, pump seals)	40 CFR 60, Subpt XX 40 CFR 63, Subpt BBBB	3.3.1, 5.2.2, 6.2.3, 6.2.7	None

\* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

\*\* 40 CFR 63, Subpart BBBB only applies to storage tanks in gasoline service. Floating roof tanks storing ethanol or other products are exempt from this regulation.

#### 3.2 Equipment Emission Caps and Operating Limits

3.2.1 The control efficiency of the vapor combustion system shall be maintained at no less than 90 percent, during the transfer of gasoline.  
[391-3-1-.02(2)(cc)]

### 3.3 Equipment Federal Rule Standards

- 3.3.1 The Permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart XX - Standards of Performance for Bulk Gasoline Terminals. [40 CFR Part 60.502 and 40 CFR 63, Subpart BBBBBB]
- a. Each vapor collection system shall be designed to prevent any organic compound vapors collected at one loading rack from passing to another loading rack or lane to the atmosphere;
  - b. Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:
    - i. The owner or operator shall obtain the vapor tightness documentation described in 40 CFR Part 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.
    - ii. The owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.
    - iii. The owner or operator shall cross-check each tank identification number obtained in paragraph (c)(ii) of this condition with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.
    - iv. The terminal owner or operator shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 3 weeks after the loading has occurred.
    - v. The terminal owner or operator 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.
    - vi. Alternate procedures to those described in paragraphs (b)(i) through (v) of this condition for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Division.
  - c. The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
  - d. 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 at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

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- 3.3.2 The emissions to the atmosphere from the vapor collection system due to the loading of gasoline shall not exceed 35 milligrams of total organic compounds per liter of gasoline loaded (0.292 lb. of total organic compounds per 1,000 gallons).  
[40 CFR 60.502(b), 40 CFR 63, Subpart R avoidance].
- 3.3.3 The Permittee shall comply with the applicable provisions of 40 CFR 63, Subpart BBBB, “National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities.” Each internal floating roof tank with a capacity of greater than or equal to 75 m<sup>3</sup> (19,812 gallons), storing gasoline, shall be equipped to meet 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. The internal floating roofs shall have either of the following:
    - i. 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.
    - ii. 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. Storage vessels equipped with floating roofs and not meeting the requirements of (b) of this condition must be in compliance at the first degassing and cleaning activity after the January 10, 2010 or by January 10, 2018 whichever is first.  
[40 CFR 63.11087(a) and (b)]
- 3.3.4 For each gasoline storage tank with a capacity of less than 75 m<sup>3</sup> (19,812 gallons), the Permittee shall equip the tank with a fixed roof that is mounted to the storage tank in a stationary manner, and maintain all openings in a closed position at all times when not in use. [40 CFR 63.11087(a)]
- 3.3.5 The Permittee shall equip each loading rack with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading, shall design and operate the vapor collection system to prevent any TOC vapors collected at one loading

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rack or lane from passing through another loading rack or lane to the atmosphere and shall limit the loading of gasoline into gasoline cargo tanks that are vapor-tight using the following procedures:

[40 CFR 63.11088(a)]

- a. The owner or operator shall obtain the vapor tightness documentation for each gasoline tank truck, which is to be loaded at the affected facility. The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:
  - i. Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27.
  - ii. Tank owner and address.
  - iii. Tank identification number.
  - iv. Testing location.
  - v. Date of test.
  - vi. Tester name and signature.
  - vii. Witnessing inspector, if any: Name, signature, and affiliation.
  - viii. Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).
- 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 a of this condition 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:
  - i. 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
  - ii. 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.
  - iii. If either the quarterly or semiannual cross-check provided in paragraphs i. and ii. of this condition reveals that these conditions were not maintained, the

source must return to biweekly monitoring until such time as these conditions are again met.

- d. 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.iii. of this condition.
- e. 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.
- f. Alternate procedures to those described in paragraphs a through e of this condition for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Director.

3.3.6 The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system, and to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.  
[40 CFR 63.11088(a)]

3.3.7 The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the following procedure:

A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with  $\pm 2.5$  mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck. The system shall meet the applicable performance specifications of the Division's monitoring requirements.

No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).  
[40 CFR 63.11088(a), 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)A]

### 3.4 Equipment SIP Rule Standards

#### 3.4.1 State Only Enforceable Condition.

All aboveground tanks with a capacity of 40,000 gallons or greater used to store a petroleum liquid with a true vapor pressure of 1.5 psia or greater, shall be painted with a paint of a heat-reflective nature when repainted.  
[391-3-1-.02(2)(a)(3)]

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- 3.4.2 The Permittee shall comply with 391-3-1-.02(2)(bb) " Petroleum Liquid Storage." Each tank with a capacity of 40,000 gallons or greater, storing a product with a true vapor pressure of greater than 1.52 psia, must have a floating roof or be fitted with a control device of equal or greater control efficiency.  
[391-3-1-.02(2)(bb)(1)]
- 3.4.3 The Permittee shall comply with 391-3-1-.02(2)(cc) "Bulk Gasoline Terminals".  
[391-3-1-.02(2)(cc)]
- a. The bulk gasoline terminal shall be equipped with vapor control equipment, properly installed, in good working order, in operation, and consisting of one of the following:
    - i. An adsorber or condensation equipment which processes and recovers at least 90 percent of all vapors and gases from the equipment being controlled; or
    - ii. Vapor collection equipment which directs all vapors to a fuel gas system; or
    - iii. Control equipment demonstrated to have control efficiency equivalent to or greater than required in (i) or (ii) of this paragraph, and approved by the Director; and
  - b. All displaced vapors and gases are vented only to the vapor control equipment; and
  - c. Complete drainage of any loading arm will be accomplished before it is removed from the tank; and
  - d. All loading and vapor lines are equipped with fittings which make vapor-tight connections and which close automatically when disconnected or a loading arm with vapor return line and a hatch seal designed to prevent the escape of gases and vapor while loading.
- 3.4.4 The Permittee shall comply with 391-3-1-.02(2)(ss) "Gasoline Transport Vehicle and Vapor Collection Systems".  
[391-3-1-.02(2)(ss)]
- a. The facility must not cause, let, permit, suffer or allow the loading or unloading of gasoline from a gasoline transport vehicle of any size capacity unless:
    - i. The tank sustains a pressure change of not more than 3 inches of water in 5 minutes when pressurized to 18 inches of water and evacuated to 6 inches of water as tested at least once per year in accordance with test procedures specified by the Environmental Protection Division ("Division"); and
    - ii. Displays a marking on the right front (passenger) side of the tank, in characters at least 2 inches high, which reads either P/V TEST DATE or EPA27 and the date on which the gasoline transport tank was last tested; and

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- iii. The tank has no visible liquid leaks and no gasoline vapor leaks as measured by a combustible gas detector; and
  - iv. The owner or operator of the gasoline transport vehicle has submitted to the Division within 30 days of the test date a data sheet containing, at a minimum the following information: name of person(s) or company that conducted the test, date of test, test results including a list of any repairs made to the transport vehicle to bring it into compliance and the Georgia license plate number of the tank truck or trailer; and
  - v. The transport vehicle has been equipped with fittings which are vapor tight and will automatically and immediately close upon disconnection so as to prevent release of gasoline or gasoline vapors, with a vapor return line and hatch seal designed to prevent the escape of gasoline or gasoline vapors while loading.
- b. The Permittee shall:
- i. Design and operate the vapor collection and control system and the gasoline loading equipment in a manner that prevents: Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water in the gasoline tank truck; a reading equal to or greater than 100 percent of the lower explosive limit (LEL, measured as propane) at 1 inch from all points on the perimeter of a potential leak source when measured (in accordance with test procedures specified by the Division) during loading or unloading operations at gasoline dispensing facilities, bulk gasoline plants and bulk gasoline terminals; Avoidable visible liquid leaks during loading and unloading operations at gasoline dispensing facilities, bulk gasoline plants and bulk gasoline terminals; and
  - ii. Within 15 days, repair and retest a vapor collection or control system that exceeds the limits in (i) above.
- c. The Division may require a pressure/vacuum retest or leak check for any transport vehicle or vapor collection or control system subject to this subsection. A transport vehicle or vapor collection or control system for which the Division has required a pressure/vacuum retest or leak check shall:
- i. Cease loading and unloading operations within fourteen (14) days of the date of the initial retest or leak check request unless the retest or leak check has been completed to the satisfaction of the Division; and
  - ii. Provide written advance notification to the Division of the scheduled time and place of the test in order to provide the Division an opportunity to have an observer present; and
  - iii. Supply a copy of the results of all such tests to the Division within 30 days of the test date.

**3.5 Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit**

- 3.5.1 Routine maintenance shall be performed on all air pollution control equipment. Maintenance records shall be recorded in a permanent form suitable and available for inspection by the Division. The records shall be retained for at least five years following the date of such maintenance.  
[391-3-1-.03(2)(c)]
  
- 3.5.2 The Permittee shall maintain an inventory of spare parts for the vapor control system.  
[391-3-1-.03(2)(c)]

**PART 4.0 REQUIREMENTS FOR TESTING****4.1 General Testing Requirements**

- 4.1.1 The Permittee shall cause to be conducted a performance test at any specified emission unit when so directed by the Environmental Protection Division (“Division”). The test results shall be submitted to the Division within 60 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division.  
[391-3-1-.02(6)(b)1(i)]
- 4.1.2 The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR Part 63) prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.  
[391-3-1-.02(3)(a) and 40 CFR 63.7(b)(1)]
- 4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division’s Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, and 3.4 which pertain to the emission units listed in Section 3.1 are as follows:
- a. Method 1 for selection of sampling site and number of traverses points.
  - b. Method 2, 2A, 2B, 2C or 2D, as appropriate, for determination of velocity and volumetric flow rate.
  - c. Method 4 for the determination moisture content.
  - d. Method 18 and ASTM 2504 for the determination of concentration of sample component.
  - e. Method 21 for determination of tanker truck leaks, and leaks from any equipment in gasoline service.
  - f. Method 22 for the determination of visible emissions.
  - g. Method 25A and/or 25B for the measurement of inlet and outlet VOC concentrations.
  - h. ASTM D323, ASTM 2879 or method approved by the administrator for the measurement of Reid vapor pressure.
  - i. ASTM 2382 shall be used to determine the net heat of combustion of each component if published values are not available or cannot be calculated.
  - j. ASTM D-2267 for determination of percent VHAP content in process fluid.

- k. ASTM D2622 or ASTM 5453 for the measurement of sulfur content in gasoline.
- l. ASTM D 1319 for the measure of olefin content in gasoline.
- m. ASTM D 5580 for the measurement of aromatic hydrocarbon content in gasoline.

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections which, in his opinion, render those methods or procedures, or portions thereof, more reliable.

[391-3-1-.02(3)(a)]

#### **4.2 Specific Testing Requirements**

- 4.2.1 When conducting future performance tests, that have been required by the Division, the Permittee shall determine the monitored operating parameter value for the loading rack control device according to the requirements specified in 40 CFR 63.11092(b).

**PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**

**5.1 General Monitoring Requirements**

5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.  
[391-3-1-.02(6)(b)1]

**5.2 Specific Monitoring Requirements**

5.2.1 Permittee shall install, calibrate, operate, and maintain, according to manufacturer's instructions, a heat sensing device, acceptable to the Director, such as a UV beam sensor or thermocouple, to continuously indicate the presence of a flame at the vapor combustor unit. The Permittee shall install and operate a vapor interlock system that prevents the loading of gasoline when a flame is not detected.  
[40 CFR 70.6(a)(3)(i)A, 391-3-1-.02(2)(cc)]

5.2.2 The Permittee shall perform a leak inspection each calendar month of all equipment in gasoline service. The vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. A logbook shall be used and shall be signed by the owner or operator 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 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, except 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 6.1.7a, the reason(s) why the repair was not feasible and the date each repair was completed.  
[40 CFR 60.502(j), 40 CFR 63.11088(a) and 40 CFR 63.11089]

5.2.3 The following pollutant specific emission unit(s) (PSEU) is/are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Emission Unit	Pollutant
Gasoline Truck Loading Rack (D020)	VOC

Permit conditions in this permit for the PSEU(s) listed above with regulatory citation 40 CFR 70.6(a)(3)(i) are included for the purpose of complying with 40 CFR 64. In addition, the Permittee shall meet the requirements, as applicable, of 40 CFR 64.7, 64.8, and 64.9.

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5.2.4 The Permittee shall comply with the performance criteria listed in the table below for the VOC emissions from Gasoline Truck Loading Rack (D020).  
[40 CFR 64.6(c)(1)(iii)]

<b>Performance Criteria [64.4(a)(3)]</b>	<b>Indicator No. 1 Presence of Flame</b>	<b>Indicator No. 2 Pressure of Vapor Collection System</b>
A. Data Representativeness [64.3(b)(1)]	The flame sensor is located at the pilot flame. It is installed, operated and maintained per manufacturer’s recommendation.	The pressure gauge is located as close as possible to the connection with the gasoline tank truck. It is installed and operated in accordance with manufacturer’s recommendation.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not Applicable	Not Applicable
C. QA/QC Practices and Criteria [64.3(b)(3)]	The site maintains the entire VCU and flame detector according to manufacturer’s recommendation. Semi-annual preventive maintenance includes a check for proper UV sensor operation. The site also inspects the rack and VCU at least monthly using sight, sound and smell methods.	Pressure gauge readings are recorded monthly. The gauge is calibrated annually.
D. Monitoring Frequency [64.3(b)(4)]	Continuous	Monthly
E. Data Collection Procedures [64.3(b)(4)]	An Antilock prevents gasoline loading whenever the flame is not detected. The site documents pilot flame failures using a VCU shutdown Log.	Pressure gauge readings are recorded monthly, and compared to verify systems are operated in accordance with permit conditions 3.3.1, 3.4.3 and 3.4.4.
F. Averaging Period [64.3(b)(4)]	Not Applicable	Not Applicable

5.2.5 For each tank with an internal floating roof equipped with a liquid-mounted or mechanical shoe primary seal, the Permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. 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 in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Division in the inspection report required in condition 6.2.5. 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. The requirements of this condition shall also apply to any tanks equipped with single vapor-mounted seals.  
[40 CFR 63.11092(e) and 391-3-1-.02(6)(b)1]

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- 5.2.6 For each tank equipped with a double-seal system, the Permittee shall either visually inspect the tank as specified in condition 5.2.7 at least every 5 years or visually inspect the tank as specified in condition 5.2.5.  
[40 CFR 63.11092(e)]
- 5.2.7 In accordance with 40 CFR Part 63.11092(e) each time a tank with an internal floating roof is emptied and degassed, but no less than once every 10 years (or every 5 years for tanks equipped with a double seal system, unless the double seal tank is also inspected annually under condition 5.2.5), 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). 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 Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. The Permittee shall notify the Division in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by this condition to afford the Division the opportunity to have an observer present. If the inspection required by this condition is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Division 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 Division at least 7 days prior to the refilling.  
[40 CFR 63.11092(e)]

**PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS****6.1 General Record Keeping and Reporting Requirements**

6.1.1 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry.

[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)]

6.1.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.

[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 6.1.4 or 6.1.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring, which is required by this permit. The reports shall cover each semiannual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken.

[391-3-1-.03(10)(d)1.(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by, August 29 and February 28, respectively. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

- a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.
- b. Total process operating time during each reporting period.

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- c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.
- d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.
- e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

6.1.5 Where applicable, the Permittee shall keep the following records:  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(ii)(A)]

- a. The date, place, and time of sampling or measurement;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.

6.1.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6 (a)(3)(ii)(B)]

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:  
[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i) and (iii), 40 CFR 60.502(e), 40 CFR 63.11095(a)(2) and (3) and 63.11095(b)(1), (2) and (5)]

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- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
  - i. 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.
  - ii. 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 6.2.2.
  - iii. For each occurrence of an equipment leak detected during the inspections required by condition 5.2.2, for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:
    - (A) The date on which the leak was detected;
    - (B) The date of each attempt to repair the leak;
    - (C) The reasons for the delay of repair; and
    - (D) The date of successful repair.
- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
  - i. Each instance where gasoline loading occurs when no flame is present at vapor combustor unit.
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

None required to be reported in accordance with Condition 6.1.4.
- d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:
  - i. Each inspection not performed as required by conditions 5.2.5, 5.2.6 and 5.2.7, each notification, record or report not made as required by conditions

5.2.7, 6.2.4 and 6.2.5 and each leak not repaired within the time required by condition 5.2.5.

- ii. For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection.

6.1.8 The Permittee shall provide the Division with a statement, in such form as the Director may prescribe, showing the actual emissions of nitrogen oxides and volatile organic compounds from the entire facility. These statements shall be submitted every year by the date specified in 391-3-1-.02(6)(a)4 and shall show the actual emissions of the previous calendar year.

[391-3-1-.02(6)(b)1(i)]

**6.2 Specific Record Keeping and Reporting Requirements**

6.2.1 Records shall be kept of each shutdown, malfunction and the subsequent maintenance performed on the vapor control system.

[40 CFR 70.6(a)(3)(iii)]

6.2.2 The Permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified below:

[40 CFR 63.11094(b), 40 CFR 60.505(b) and 391-3-1-.02(2)(ss)]

- a. Annual certification testing performed using EPA Method 27.
- b. 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 following information:
  - i. Name of test: Annual Certification Test—Method 27 or Periodic Railcar Bubble Leak Test Procedure.
  - ii. Cargo tank owner's name and address.
  - iii. Cargo tank identification number.
  - iv. Test location and date.
  - v. Tester name and signature.
  - vi. Witnessing inspector, if any: Name, signature, and affiliation.
  - vii. Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing.
  - viii. Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition.

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As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in this condition the Permittee may comply with the requirements in either paragraph c or paragraph d of this section.

- c. An electronic copy of each record is instantly available at the terminal.
  - i. The copy of each record is an exact duplicate image of the original paper record with certifying signatures.
  - ii. The Director is notified in writing that each terminal using this alternative is in compliance with paragraph c of this condition.
- d. 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 by the Director's delegated representatives during the course of a site visit, or within a mutually agreeable time frame.
  - i. The copy of each record is an exact duplicate image of the original paper record with certifying signatures.
  - ii. The Director is notified in writing that each terminal using this alternative is in compliance with paragraph d of this section.

6.2.3 The Permittee shall record in the logbook for each leak that is detected during the inspections required by condition 5.2.2, the following information: The documentation file shall be kept up-to-date and shall include, as a minimum, the following information [40 CFR Part 63.11094(e) and 40 CFR 60.505(c)]

- 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 successful repair of the leak.
- h. Inspector name, signature, and affiliation.

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- 6.2.4 The Permittee shall keep a record of each inspection performed as required by conditions 5.2.5, 5.2.6 and 5.2.7. 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).  
[40 CFR 63.11094(a)]
- 6.2.5 If any failures are detected by the visual inspection required by condition 5.2.5 or holes or tears in the seal or fabric or defects in the internal floating roof are detected during the inspections required by condition 5.2.6, a report shall be furnished to the Director 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, if applicable, or the nature of and date the repair was made. The report shall identify the storage vessel and the reason it did not meet the specifications.  
[40 CFR Part 63.11094(a)]
- 6.2.6 The Permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service.  
[40 CFR Part 63.11094(d)]
- 6.2.7 The Permittee shall keep records as specified in paragraphs a. and b. of this condition.  
[40 CFR 63.11094(g)]
- a. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
  - b. Records of actions taken during periods of malfunction to minimize emissions in accordance with 8.17.1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- 6.2.8 The Permittee shall report 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 the Permittee during a malfunction of an affected source to minimize emissions in accordance with condition 8.17.1, including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report.  
[40 CFR 63.11095(d)]

**PART 7.0 OTHER SPECIFIC REQUIREMENTS****7.1 Operational Flexibility**

7.1.1 The Permittee may make Section 502(b)(10) changes as defined in 40 CFR 70.2 without requiring a Permit revision, if the changes are not modifications under any provisions of Title I of the Federal Act and the changes do not exceed the emissions allowable under the Permit (whether expressed therein as a rate of emissions or in terms of total emissions). For each such change, the Permittee shall provide the Division and the EPA with written notification as required below in advance of the proposed changes and shall obtain any Permits required under Rules 391-3-1-.03(1) and (2). The Permittee and the Division shall attach each such notice to their copy of this Permit.  
[391-3-1-.03(10)(b)5 and 40 CFR 70.4(b)(12)(i)]

- a. For each such change, the Permittee's written notification and application for a construction Permit shall be submitted well in advance of any critical date (typically at least 3 months in advance of any commencement of construction, Permit issuance date, etc.) involved in the change, but no less than seven (7) days in advance of such change and shall include a brief description of the change within the Permitted facility, the date on which the change is proposed to occur, any change in emissions, and any Permit term or condition that is no longer applicable as a result of the change.
- b. The Permit shield described in Condition 8.16.1 shall not apply to any change made pursuant to this condition.

**7.2 Off-Permit Changes**

7.2.1 The Permittee may make changes that are not addressed or prohibited by this Permit, other than those described in Condition 7.2.2 below, without a Permit revision, provided the following requirements are met:  
[391-3-1-.03(10)(b)6 and 40 CFR 70.4(b)(14)]

- a. Each such change shall meet all applicable requirements and shall not violate any existing Permit term or condition.
- b. The Permittee must provide contemporaneous written notice to the Division and to the EPA of each such change, except for changes that qualify as insignificant under Rule 391-3-1-.03(10)(g). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- c. The change shall not qualify for the Permit shield in Condition 8.16.1.
- d. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the Permit, and the emissions resulting from those changes.

7.2.2 The Permittee shall not make, without a Permit revision, any changes that are not addressed or prohibited by this Permit, if such changes are subject to any requirements under Title IV of the Federal Act or are modifications under any provision of Title I of the Federal Act. [Rule 391-3-1-.03(10)(b)7 and 40 CFR 70.4(b)(15)]

**7.3 Alternative Requirements**

[White Paper #2]

Not Applicable.

**7.4 Insignificant Activities**

(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

**7.5 Temporary Sources**

[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

Not Applicable.

**7.6 Short-term Activities**

(see Form D5 “Short Term Activities” of the Permit application and White Paper #1)

Not Applicable.

**7.7 Compliance Schedule/Progress Reports**

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(4)]

None applicable.

**7.8 Emissions Trading**

[391-3-1-.03(10)(d)1(ii) and 40 CFR 70.6(a)(10)]

Not Applicable.

**7.9 Acid Rain Requirements**

Not Applicable.

**7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)**

[391-3-1-.02(10)]

7.10.1 When and if the requirements of 40 CFR Part 68 become applicable, the Permittee shall comply with all applicable requirements of 40 CFR Part 68, including the following.

- a. The Permittee shall submit a Risk Management Plan (RMP) as provided in 40 CFR 68.150 through 68.185. The RMP shall include a registration that reflects all covered processes.

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- b. For processes eligible for Program 1, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a. and the following additional requirements:
- i. Analyze the worst-case release scenario for the process(es), as provided in 40 CFR 68.25; document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 40 CFR 68.22(a); and submit in the RMP the worst-case release scenario as provided in 40 CFR 68.165.
  - ii. Complete the five-year accident history for the process as provided in 40 CFR 68.42 and submit in the RMP as provided in 40 CFR 68.168
  - iii. Ensure that response actions have been coordinated with local emergency planning and response agencies
  - iv. Include a certification in the RMP as specified in 40 CFR 68.12(b)(4)
- c. For processes subject to Program 2, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
- i. Develop and implement a management system as provided in 40 CFR 68.15
  - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
  - iii. Implement the Program 2 prevention steps provided in 40 CFR 68.48 through 68.60 or implement the Program 3 prevention steps provided in 40 CFR 68.65 through 68.87
  - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
  - v. Submit as part of the RMP the data on prevention program elements for Program 2 processes as provided in 40 CFR 68.170
- d. For processes subject to Program 3, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:
- i. Develop and implement a management system as provided in 40 CFR 68.15
  - ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
  - iii. Implement the prevention requirements of 40 CFR 68.65 through 68.87
  - iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
  - v. Submit as part of the RMP the data on prevention program elements for Program 3 as provided in 40 CFR 68.175
- e. All reports and notification required by 40 CFR Part 68 must be submitted electronically using RMP\*eSubmit (information for establishing an account can be found at [www.epa.gov/emergencies/content/rmp/rmp\\_esubmit.htm](http://www.epa.gov/emergencies/content/rmp/rmp_esubmit.htm)). Electronic Signature Agreements should be mailed to:

MAIL

**Risk Management Program (RMP) Reporting Center**  
**P.O. Box 10162**  
**Fairfax, VA 22038**

**COURIER & FEDEX**

**Risk Management Program (RMP) Reporting Center  
CGI Federal  
12601 Fair Lakes Circle  
Fairfax, VA 22033**

Compliance with all requirements of this condition, including the registration and submission of the RMP, shall be included as part of the compliance certification submitted in accordance with Condition 8.14.1.

**7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990)**

- 7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.  
[Note: “MVAC-like appliance” is defined in 40 CFR 82.152.]
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term “motor vehicle” as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term “MVAC” as used in Subpart B

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does not include air-tight sealed refrigeration systems used for refrigerated cargo, or air conditioning systems on passenger buses using HCFC-22 refrigerant.

### 7.12 Revocation of Existing Permits and Amendments

The following Air Quality Permits, Amendments, and 502(b)10 are subsumed by this permit and are hereby revoked:

Air Quality Permit and Amendment Number(s)	Dates of Original Permit or Amendment Issuance
5171-089-0121-V-03-0	May 10, 2006

### 7.13 Pollution Prevention

None applicable.

### 7.14 Specific Conditions

None applicable.

**PART 8.0 GENERAL PROVISIONS****8.1 Terms and References**

- 8.1.1 Terms not otherwise defined in the Permit shall have the meaning assigned to such terms in the referenced regulation.
- 8.1.2 Where more than one condition in this Permit applies to an emission unit and/or the entire facility, each condition shall apply and the most stringent condition shall take precedence.  
[391-3-1-.02(2)(a)2]

**8.2 EPA Authorities**

- 8.2.1 Except as identified as “State-only enforceable” requirements in this Permit, all terms and conditions contained herein shall be enforceable by the EPA and citizens under the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.  
[40 CFR 70.6(b)(1)]
- 8.2.2 Nothing in this Permit shall alter or affect the authority of the EPA to obtain information pursuant to 42 U.S.C. 7414, “Inspections, Monitoring, and Entry.”  
[40 CFR 70.6(f)(3)(iv)]
- 8.2.3 Nothing in this Permit shall alter or affect the authority of the EPA to impose emergency orders pursuant to 42 U.S.C. 7603, “Emergency Powers.”  
[40 CFR 70.6(f)(3)(i)]

**8.3 Duty to Comply**

- 8.3.1 The Permittee shall comply with all conditions of this operating Permit. Any Permit noncompliance constitutes a violation of the Federal Clean Air Act and the Georgia Air Quality Act and/or State rules and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. Any noncompliance with a Permit condition specifically designated as enforceable only by the State constitutes a violation of the Georgia Air Quality Act and/or State rules only and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(i)]
- 8.3.2 The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(ii)]
- 8.3.3 Nothing in this Permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of Permit issuance.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(f)(3)(ii)]

- 8.3.4 Issuance of this Permit does not relieve the Permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Director or any other federal, state, or local agency.  
[391-3-1-.03(10)(e)1(iv) and 40 CFR 70.7(a)(6)]

**8.4 Fee Assessment and Payment**

- 8.4.1 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of fee shall be determined each year in accordance with the “Procedures for Calculating Air Permit Fees.”  
[391-3-1-.03(9)]

**8.5 Permit Renewal and Expiration**

- 8.5.1 This Permit shall remain in effect for five (5) years from the effective date. The Permit shall become null and void after the expiration date unless a timely and complete renewal application has been submitted to the Division at least six (6) months, but no more than eighteen (18) months prior to the expiration date of the Permit.  
[391-3-1-.03(10)(d)1(i), (e)2, and (e)3(ii) and 40 CFR 70.5(a)(1)(iii)]
- 8.5.2 Permits being renewed are subject to the same procedural requirements, including those for public participation and affected State and EPA review, that apply to initial Permit issuance.  
[391-3-1-.03(10)(e)3(i)]
- 8.5.3 Notwithstanding the provisions in 8.5.1 above, if the Division has received a timely and complete application for renewal, deemed it administratively complete, and failed to reissue the Permit for reasons other than cause, authorization to operate shall continue beyond the expiration date to the point of Permit modification, reissuance, or revocation.  
[391-3-1-.03(10)(e)3(iii)]

**8.6 Transfer of Ownership or Operation**

- 8.6.1 This Permit is not transferable by the Permittee. Future owners and operators shall obtain a new Permit from the Director. The new Permit may be processed as an administrative amendment if no other change in this Permit is necessary, and provided that a written agreement containing a specific date for transfer of Permit responsibility coverage and liability between the current and new Permittee has been submitted to the Division at least thirty (30) days in advance of the transfer.  
[391-3-1-.03(4)]

**8.7 Property Rights**

- 8.7.1 This Permit shall not convey property rights of any sort, or any exclusive privileges.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iv)]

**8.8 Submissions**

- 8.8.1 Reports, test data, monitoring data, notifications, annual certifications, and requests for revision and renewal shall be submitted to:

**Georgia Department of Natural Resources  
Environmental Protection Division  
Air Protection Branch  
Atlanta Tradeport, Suite 120  
4244 International Parkway  
Atlanta, Georgia 30354-3908**

- 8.8.2 Any records, compliance certifications, and monitoring data required by the provisions in this Permit to be submitted to the EPA shall be sent to:

**Air and EPCRA Enforcement Branch – U. S. EPA Region 4  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, Georgia 30303-3104**

- 8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.  
[391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]
- 8.8.4 Unless otherwise specified, all submissions under this permit shall be submitted to the Division only.

**8.9 Duty to Provide Information**

- 8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division.  
[391-3-1-.03(10)(c)5]
- 8.9.2 The Permittee shall furnish to the Division, in writing, information that the Division may request 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 Division copies of records that the Permittee is required to keep by this Permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the EPA, if necessary, along with a claim of confidentiality.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(v)]

## 8.10 Modifications

- 8.10.1 Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.  
[391-3-1-.03(1) through (8)]

## 8.11 Permit Revision, Revocation, Reopening and Termination

- 8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances:  
[391-3-1-.03(10)(d)1(i)]
- a. If additional applicable requirements become applicable to the source and the remaining Permit term is one (1) year or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the Permit is due to expire;  
[391-3-1-.03(10)(e)6(i)(I)]
  - b. If any additional applicable requirements of the Acid Rain Program become applicable to the source;  
[391-3-1-.03(10)(e)6(i)(II)] (Acid Rain sources only)
  - c. The Director determines that the Permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Permit; or  
[391-3-1-.03(10)(e)6(i)(III) and 40 CFR 70.7(f)(1)(iii)]
  - d. The Director determines that the Permit must be revised or revoked to assure compliance with the applicable requirements.  
[391-3-1-.03(10)(e)6(i)(IV) and 40 CFR 70.7(f)(1)(iv)]
- 8.11.2 Proceedings to reopen and reissue a Permit shall follow the same procedures as applicable to initial Permit issuance and shall affect only those parts of the Permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable.  
[391-3-1-.03(10)(e)6(ii)]

- 8.11.3 Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Director at least thirty (30) days in advance of the date the Permit is to be reopened, except that the Director may provide a shorter time period in the case of an emergency.  
[391-3-1-.03(10)(e)6(iii)]
- 8.11.4 All Permit conditions remain in effect until such time as the Director takes final action. The filing of a request by the Permittee for any Permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, shall not stay any Permit condition.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iii)]
- 8.11.5 A Permit revision shall not be required for changes that are explicitly authorized by the conditions of this Permit.
- 8.11.6 A Permit revision shall not be required for changes that are part of an approved economic incentive, marketable Permit, emission trading, or other similar program or process for change which is specifically provided for in this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(8)]

**8.12 Severability**

- 8.12.1 Any condition or portion of this Permit which is challenged, becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this Permit.  
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(5)]

**8.13 Excess Emissions Due to an Emergency**

- 8.13.1 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.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(1)]
- 8.13.2 An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the Permittee demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(2) and (3)]
  - a. An emergency occurred and the Permittee can identify the cause(s) of the emergency;
  - b. The Permitted facility was at the time of the emergency being properly operated;

- c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in the Permit; and
- d. The Permittee promptly notified the Division and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

8.13.3 In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(4)]

8.13.4 The emergency conditions listed above are in addition to any emergency or upset provisions contained in any applicable requirement.  
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(5)]

**8.14 Compliance Requirements**

8.14.1 Compliance Certification

The Permittee shall provide written certification to the Division and to the EPA, at least annually, of compliance with the conditions of this Permit. The annual written certification shall be postmarked no later than February 28 of each year and shall be submitted to the Division and to the EPA. The certification shall include, but not be limited to, the following elements:

[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(5)]

- a. The identification of each term or condition of the Permit that is the basis of the certification;
- b. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent, based on the method or means designated in paragraph c below. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;
- c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
- d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and

- e. Any additional requirements specified by the Division.

8.14.2 Inspection and Entry

- a. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Division to perform the following:  
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(2)]
  - i. Enter upon the Permittee's premises where a Part 70 source is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this Permit; and
  - iv. Sample or monitor any substances or parameters at any location during operating hours for the purpose of assuring Permit compliance or compliance with applicable requirements as authorized by the Georgia Air Quality Act.
- b. No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for Permit revocation and assessment of civil penalties.  
[391-3-1-.07 and 40 CFR 70.11(a)(3)(i)]

8.14.3 Schedule of Compliance

- a. For applicable requirements with which the Permittee is in compliance, the Permittee shall continue to comply with those requirements.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(A)]

- b. For applicable requirements that become effective during the Permit term, the Permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(B)]
- c. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of Permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.  
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

#### 8.14.4 Excess Emissions

- a. Excess emissions resulting from startup, shutdown, or malfunction of any source which occur though ordinary diligence is employed shall be allowed provided that:  
[391-3-1-.02(2)(a)7(i)]
  - i. The best operational practices to minimize emissions are adhered to;
  - ii. All associated air pollution control equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions; and
  - iii. The duration of excess emissions is minimized.
- b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction are prohibited and are violations of Chapter 391-3-1 of the Georgia Rules for Air Quality Control.  
[391-3-1-.02(2)(a)7(ii)]
- c. The provisions of this condition and Georgia Rule 391-3-1-.02(2)(a)7 shall apply only to those sources which are not subject to any requirement under Georgia Rule 391-3-1-.02(8) – New Source Performance Standards or any requirement of 40 CFR, Part 60, as amended concerning New Source Performance Standards.  
[391-3-1-.02(2)(a)7(iii)]

### 8.15 Circumvention

#### **State Only Enforceable Condition.**

- 8.15.1 The Permittee shall not build, erect, install, or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of the pollutants in the gases discharged into the atmosphere.  
[391-3-1-.03(2)(c)]

## 8.16 Permit Shield

- 8.16.1 Compliance with the terms of this Permit shall be deemed compliance with all applicable requirements as of the date of Permit issuance provided that all applicable requirements are included and specifically identified in the Permit.  
[391-3-1-.03(10)(d)6]
- 8.16.2 Any Permit condition identified as “State only enforceable” does not have a Permit shield.

## 8.17 Operational Practices

- 8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.  
[391-3-1-.02(2)(a)10]

### **State Only Enforceable Condition.**

- 8.17.2 No person owning, leasing, or controlling, the operation of any air contaminant sources shall willfully, negligently or through failure to provide necessary equipment or facilities or to take necessary precautions, cause, permit, or allow the emission from said air contamination source or sources, of such quantities of air contaminants as will cause, or tend to cause, by themselves, or in conjunction with other air contaminants, a condition of air pollution in quantities or characteristics or of a duration which is injurious or which unreasonably interferes with the enjoyment of life or use of property in such area of the State as is affected thereby. Complying with Georgia’s Rules for Air Quality Control Chapter 391-3-1 and Conditions in this Permit, shall in no way exempt a person from this provision.  
[ 391-3-1-.02(2)(a)1]

## 8.18 Visible Emissions

- 8.18.1 Except as may be provided in other provisions of this Permit, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.  
[391-3-1-.02(2)(b)1]

## 8.19 Fuel-burning Equipment

- 8.19.1 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, in operation or under construction on or before January 1, 1972 in amounts equal to or exceeding 0.7 pounds per million BTU heat input.  
[391-3-1-.02(2)(d)]

8.19.2 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, constructed after January 1, 1972 in amounts equal to or exceeding 0.5 pounds per million BTU heat input.  
[391-3-1-.02(2)(d)]

8.19.3 The Permittee shall not cause, let, suffer, permit, or allow the emission from any fuel-burning equipment constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.  
[391-3-1-.02(2)(d)]

## 8.20 Sulfur Dioxide

8.20.1 Except as may be specified in other provisions of this Permit, the Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source that has a heat input capacity below 100 million Btu's per hour.  
[391-3-1-.02(2)(g)]

## 8.21 Particulate Emissions

8.21.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.  
[391-3-1-.02(2)(e)]

- a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

$$E = 4.1P^{0.67}; \text{ for process input weight rate up to and including 30 tons per hour.}$$

$$E = 55P^{0.11} - 40; \text{ for process input weight rate above 30 tons per hour.}$$

- b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$$E = 4.1P^{0.67}$$

In the above equations, E = emission rate in pounds per hour, and  
P = process input weight rate in tons per hour.

**8.22 Fugitive Dust**

[391-3-1-.02(2)(n)]

- 8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;
  - d. Covering, at all times when in motion, open bodied trucks transporting materials likely to give rise to airborne dusts; and
  - e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.
- 8.22.2 The opacity from any fugitive dust source shall not equal or exceed 20 percent.

**8.23 Solvent Metal Cleaning**

- 8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser unless the following requirements for control of emissions of the volatile organic compounds are satisfied:  
[391-3-1-.02(2)(ff)1]
- a. The degreaser shall be equipped with a cover to prevent escape of VOC during periods of non-use,
  - b. The degreaser shall be equipped with a device to drain cleaned parts before removal from the unit,
  - c. If the solvent volatility is 0.60 psi or greater measured at 100 °F, or if the solvent is heated above 120 °F, then one of the following control devices must be used:
    - i. The degreaser shall be equipped with a freeboard that gives a freeboard ratio of 0.7 or greater, or

- ii. The degreaser shall be equipped with a water cover (solvent must be insoluble in and heavier than water), or
- iii. The degreaser shall be equipped with a system of equivalent control, including but not limited to, a refrigerated chiller or carbon adsorption system.
- d. Any solvent spray utilized by the degreaser must be in the form of a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which will not cause excessive splashing, and
- e. All waste solvent from the degreaser shall be stored in covered containers and shall not be disposed of by such a method as to allow excessive evaporation into the atmosphere.

**8.24 Incinerators**

- 8.24.1 Except as specified in the section dealing with conical burners, no person shall cause, let, suffer, permit, or allow the emissions of fly ash and/or other particulate matter from any incinerator, in amounts equal to or exceeding the following:  
[391-3-1-.02(2)(c)1-4]
  - a. Units with charging rates of 500 pounds per hour or less of combustible waste, including water, shall not emit fly ash and/or particulate matter in quantities exceeding 1.0 pound per hour.
  - b. Units with charging rates in excess of 500 pounds per hour of combustible waste, including water, shall not emit fly ash and/or particulate matter in excess of 0.20 pounds per 100 pounds of charge.
- 8.24.2 No person shall cause, let, suffer, permit, or allow from any incinerator, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
- 8.24.3 No person shall cause or allow particles to be emitted from an incinerator which are individually large enough to be visible to the unaided eye.
- 8.24.4 No person shall operate an existing incinerator unless:
  - a. It is a multiple chamber incinerator;
  - b. It is equipped with an auxiliary burner in the primary chamber for the purpose of creating a pre-ignition temperature of 800°F; and
  - c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500°F in the secondary chamber.

### **8.25 Volatile Organic Liquid Handling and Storage**

- 8.25.1 The Permittee shall ensure that each storage tank subject to the requirements of Rule 391-3-1-.02(2)(vv) “Volatile Organic Liquid Handling and Storage” is equipped with submerged fill pipes. For the purposes of this condition and the permit, a submerged fill pipe is defined as any fill pipe with a discharge opening which is within six inches of the tank bottom.  
[391-3-1-.02(2)(vv)(1)]

### **8.26 Use of Any Credible Evidence or Information**

- 8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.  
[391-3-1-.02(3)(a)]

### **8.27 Diesel-Fired Internal Combustion Engines**

- 8.27.1 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) Federal Rule 40 CFR Part 60 Subpart A-“General Provisions” and Subpart III-“Standards for Stationary Compression Ignition Internal Combustion Engines,” for diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005. Such requirements include but are not limited to:  
[40 CFR 60.4205(b), 391-3-1-.02(8)(b)77 ]
- a. Equip all emergency generator engines with non-resettable hour meters
  - b. Use only diesel fuel with a maximum sulfur content of 500 ppm (15 ppm after October 1, 2010) unless otherwise specified by the Division.

**Attachments**

- A. List of Standard Abbreviations and List of Permit Specific Abbreviations
- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
- C. List of References



**Title V Permit**

**ATTACHMENT B**

**NOTE:** Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

**INSIGNIFICANT ACTIVITIES CHECKLIST**

<b>Category</b>	<b>Description of Insignificant Activity/Unit</b>	<b>Quantity</b>
<b>Mobile Sources</b>	1. Cleaning and sweeping of streets and paved surfaces	
<b>Combustion Equipment</b>	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	29
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows:  i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.  ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.  iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	✓
	4. Stationary engines burning:  i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7  ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.  iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.  iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	
<b>Trade Operations</b>	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	
<b>Maintenance, Cleaning, and Housekeeping</b>	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	1
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	1
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	1 tank/yr
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

**Title V Permit**

**INSIGNIFICANT ACTIVITIES CHECKLIST**

<b>Category</b>	<b>Description of Insignificant Activity/Unit</b>	<b>Quantity</b>
<b>Laboratories and Testing</b>	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	1
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	
<b>Pollution Control</b>	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
<b>Industrial Operations</b>	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	
	iii) Kilns for firing ceramic ware.	
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	
	v) Bakery ovens and confection cookers.	
	vi) Feed mill ovens.	
	vii) Surface coating drying ovens	
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that:	1
	i) Activity is performed indoors; &	
	ii) No significant fugitive particulate emissions enter the environment; &	
	iii) No visible emissions enter the outdoor atmosphere.	
4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).		
5. Grain, food, or mineral extrusion processes		
6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.		
7. Equipment for the mining and screening of uncrushed native sand and gravel.		
8. Ozonization process or process equipment.		
9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.		
10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.		
11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.		
12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.		
13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.		

**Title V Permit**

**INSIGNIFICANT ACTIVITIES CHECKLIST**

<b>Category</b>	<b>Description of Insignificant Activity/Unit</b>	<b>Quantity</b>
<b>Storage Tanks and Equipment</b>	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	4
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	2
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	1
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	

**INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS**

<b>Description of Emission Units / Activities</b>	<b>Quantity</b>
Additive Tanks	3
Distillate Tanks	3

**Title V Permit**

**ATTACHMENT B (continued)**

**GENERIC EMISSION GROUPS**

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d). Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	

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**ATTACHMENT C****LIST OF REFERENCES**

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.
2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.
3. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.*
4. *Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees.*
5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at [www.epa.gov/ttn/chief/ap42/index.html](http://www.epa.gov/ttn/chief/ap42/index.html).
6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at [www.epa.gov/ttn/chief/software/tanks/index.html](http://www.epa.gov/ttn/chief/software/tanks/index.html).
7. The Clean Air Act (42 U.S.C. 7401 et seq).
8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).
9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).