



**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR RESOURCES**

**OPERATING PERMIT**

*Shell Oil Products US*

**PERMIT NO. RI-24-19(R1)**

(Renewal date: 11-26-2019)  
(Expiration date: 11-26-2024)

**Pursuant to the provisions of “Operating Permits”, 250-RICR-120-05-29, this operating permit is issued to:**

Shell Oil Products US  
520 Allens Ave  
Providence, RI 02905

**This permit shall be effective from the date of its issuance. All terms and conditions of the permit are enforceable by the USEPA and citizens under the federal Clean Air Act, 42 U.S.C. 7401, et seq., unless specifically designated as not federally enforceable.**

---

**Laurie Grandchamp, P.E., Chief  
Office of Air Resources  
Date of Reissuance: 12/30/2019**

**TABLE OF CONTENTS**

---

---

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
<b>I. SOURCE SPECIFIC CONDITIONS</b> .....	1
<b><u>Process Equipment</u></b> .....	1
1. Requirements for Emission Unit P001 .....	1
2. Requirements for Emission Unit P002 .....	19
<b><u>Tanks</u></b> .....	24
1. Requirements for Emission Units T1906, T3344, T3620, T7049, T7132, T7488, T7489, T7494, T7521, T7547, T7548, T7549, T7651, T7652, T31641 and T31726 .....	24
2. Requirements for Emission Units: T001, T002, T003, T005, T006, T007, T008, T7565 and T7591 .....	30
<b><u>Generators/Fire Pumps</u></b> .....	31
1. Requirements for Emission Unit G001 .....	31
<b><u>Facility Requirements</u></b> .....	34
<b><u>Definitions</u></b> .....	54
<b>II. GENERAL CONDITIONS</b> .....	56
Annual Emissions Fee Payment .....	56
Permit Renewal and Expiration .....	56
Transfer of Ownership or Operation .....	56
Property Rights .....	56
Submissions .....	56
Inspection and Entry .....	57
Compliance .....	57
Excess Emissions Due to an Emergency .....	58
Duty to Provide Information .....	59
Duty to Supplement .....	59
Reopening for Cause .....	59
Severability Clause .....	60
Off-Permit Changes .....	60
Section 502(b)(10) Changes .....	60
Emissions Trading .....	61
Emission of Air Contaminants Detrimental to Person or Property .....	61
Odors .....	61
Visible Emissions .....	62
Open Fires .....	62
Construction Permits .....	62
Fuel Oil .....	62
Air Pollution Episodes .....	64
Fugitive Dust .....	64
Adhesives and Sealants .....	64
Architectural and Industrial Maintenance Coatings .....	64
Compliance Certifications .....	64
Permit Shield .....	65
Recordkeeping .....	66
Reporting .....	67
Credible Evidence .....	67
Emission Statements .....	67
Miscellaneous Conditions .....	69
<b>III. SPECIAL CONDITIONS</b> .....	70
Prevention of Accidental Releases .....	70

## SECTION I. SOURCE SPECIFIC CONDITIONS

---

### A. Process Equipment

#### 1. Requirements for Emission Unit P001

The following requirements are applicable to:

- Emission unit P001, which is the loading rack. The vapors displaced from bottom-loading tank trucks during loading are collected and routed to either the primary air pollution control device C001, which is a John Zink Hydrocarbon Vapor Recovery Unit (VRU), Model No. S12-AAD-10-110-80-12 or the back-up control device C003-VCU1, which is a John Zink Vapor Combustion Unit (VCU), Model No. ZCT-5/5-9-50-X-2/8-3/8-X. For ethanol loading of tank trucks, control devices C003-VCU1 and/or C001 shall be used to control emissions.

#### a. **Emission Limitations**

- (1) Total volatile organic compound emissions to the atmosphere from the vapor collection and processing system due to the loading of liquid product into gasoline tank trucks shall not exceed 2 mg/liter of product loaded when air pollution control device C001 is in use. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(1)(a), 250-RICR-120-05-11.7.1(A)(1), 40 CFR 63.422(b)]
- (2) Total organic compound emissions to the atmosphere from the vapor collection and processing system due to the loading of liquid product into gasoline tank trucks shall not exceed 10 mg/liter of product loaded when air pollution control device C003-VCU1 is in use. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(1)(b), 250-RICR-120-05-11.7.1(A)(1), 40 CFR 63.422(b)]

#### b. **Operating Requirements**

- (1) P001 shall be equipped with a vapor collection and processing system designed to collect the total organic compounds vapors displaced from gasoline tank trucks during product loading and to reduce the quantity of displaced vapors prior to discharge to the atmosphere. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(a), 40 CFR 60.502(a), 250-RICR-120-05-11.7.1(A)]
- (2) The loading rack shall be equipped with a vacuum-assist vapor collection system designed to maintain a negative pressure, as specified by the manufacturer's operating recommendations and instructions, during loading of gasoline tank trucks. The permittee shall provide the Office of Air Resources the specific negative pressure specified by the manufacturer's operating recommendations and instructions prior to the compliance testing required by Condition I.A.1.d(1)(a) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(b)]

- (3) The vacuum-assist collection system shall be operated at all times while loading is occurring, except when the system is off-line for maintenance or repairs. Loading while the system is off-line or not performing to specification may occur for up to 104 hours in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(c)]
- (4) The total quantity of gasoline, excluding aviation gasoline, loaded into tank trucks shall not exceed: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386 (A)(2)(d)]
  - (a) 766,500,000 gallons in any 12-month period, or;
  - (b) 2,800,000 gallons in any 24-hour period, or;
  - (c) 700,000 gallons in any 4-hour period.
- (5) The total quantity of aviation gasoline loaded into tank trucks shall not exceed 5,000,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386 (A)(2)(e)]
- (6) The total quantity of distillate fuel oil loaded into tank trucks shall not exceed 298,000,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(f)]
- (7) Any connecting pipe or hose from P001 to the gasoline tank truck and any vapor space connection on the gasoline tank truck shall be equipped with fittings which are vapor tight and will automatically and immediately close upon disconnection so as to prevent release of volatile organic materials to the best extent possible. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(g), 250-RICR-120-05-11.7.1(A)(2-3)]
- (8) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the procedures specified in Conditions (8)(a-f) of this subsection. A vapor-tight gasoline truck is a tank truck which has demonstrated within the 12 preceding months that it meets the annual certification test requirements in Condition I.A.1.d(3) of this permit and which is subject at all times to the test requirements in Conditions I.A.1.d(4-6) of this permit and which displays a sticker near the Department of Transportation Certification plate that indicates the date the gasoline tank truck last passed the test required in Condition I.A.1.d(3) of this permit and the identification number of the gasoline tank truck. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h), 40 CFR 60.502(e), 250-RICR-120-05-11.12.1(A)(1-2), 11.12.1(A)(4)(a-c)]
  - (a) The permittee shall obtain the vapor tightness documentation described in Condition I.A.1.e(2)(c) of this permit for each gasoline tank truck that is to be loaded. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(1), 40 CFR 60.502(e)(1)]

- (b) The permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(2), 40 CFR 60.502(e)(2)]
- (c) The permittee shall crosscheck each tank identification number obtained above with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(3), 40 CFR 60.502(e)(3)(i)]
  - (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 [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(3)(a), 40 CFR 60.502(e)(3)(i)(A)]
  - (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. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(3)(b), 40 CFR 60.502(e)(3)(i)(B)]
- (d) If either the quarterly or semiannual cross-check provided in Conditions Condition (8)(c)(i-ii) of this subsection reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(4), 40 CFR 60.502(e)(3)(ii)]
- (e) The permittee shall notify the owner/operator of each non-vapor-tight gasoline tank truck loaded at the facility within 1 week of the documentation cross-check in Condition 8(c) of this subsection. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(5), 40 CFR 60.502(e)(4)]
- (f) The permittee shall take steps assuring that the non-vapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that gasoline tank truck is obtained which documents that: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(6), 40 CFR 63.422(c)(2), 40 CFR 60.502(e)(5)]
  - (i) The gasoline tank truck meets the applicable test requirements in Condition I.A.1.d(3) of this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(6)(a), 40 CFR 63.422(c)(2)(i)]
  - (ii) For each gasoline tank truck failing the test in Conditions I.A.1.d(4) or I.A.1.d(5) of this permit at the facility, the tank truck either: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(6)(b), 40 CFR 63.422(c)(2)(ii)]

- (A) Before repair work is performed on the tank truck, meets the test requirements in Conditions I.A.1.d(5) or I.A.1.d(6) of this permit, or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(6)(b)(i), 40 CFR 63.422(c)(2)(ii)(A)]
  - (B) After repair work is performed on the tank truck before or during the tests in Conditions I.A.1.d(5) or I.A.1.d(6) of this permit, subsequently passes the annual certification test described in Condition I.A.1.d(3) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(h)(6)(b)(ii), 40 CFR 63.422(c)(2)(ii)(B)]
- (9) The permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(i), 40 CFR 60.502(f)]
- (10) The permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at P001. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(j), 40 CFR 60.502(g)]
- (11) The vapor collection and liquid loading equipment shall be designed and operated to prevent:
  - (a) Gauge pressure in the delivery tank from exceeding 4500 Pascal (450 mm of water) and a vacuum from exceeding 1500 Pascal (150 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in Condition I.A.1.d(2) of this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(k)(1), 40 CFR 60.502(h), 250-RICR-120-05-11.7.1(A)(1), 11.12.1(C)(1)(a)]
  - (b) A reading equal to or greater than 100% of the lower explosive limit, LEL, measured as propane, at 2.5 centimeters from any potential leak source, when measured by the method referenced in Condition I.A.1.d(4) of this permit, during the loading operations. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(k)(2), 250-RICR-120-05-11.12.1(C)(1)(b)]
  - (c) Visible leaks during loading. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(k)(3), 250-RICR-120-05-11.12.1(C)(1)(c)]

The permittee shall, within 15 days, repair and retest the vapor collection system if it exceeds the limits in Condition (11)(a) of this subsection. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(k), 250-RICR-120-05-11.12.1(C)(2)]

- (12) No pressure-vacuum vent in the vapor collection system shall begin to open at a system pressure less than 4500 Pascals (450 mm of water). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(l), 40 CFR 60.502(i)]
- (13) The permittee shall operate C001 in a manner not to exceed the operating parameter value established using the procedures in Conditions I.A.1.d(1)(i) of this permit. The operating parameter value was determined to be a hydrocarbon concentration of 11,000 ppmv, measured as propane, in the outlet exhaust of C001 (6-hour average) during testing conducted on 28 May 1998. Operation of the vapor recovery unit in a manner exceeding the operating parameter value, as specified above, shall constitute a violation of the emission standard in Conditions I.A.1.a(1-2) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(m), 40 CFR 63.427(b)]
- (14) The minimum operating temperature and averaging period of C003-VCU1 during loading shall be determined from the initial performance test and revised, as appropriate, from the results of subsequent performance tests. After each performance test, the following shall be provided to the Office of Air Resources: the rationale for the minimum operating temperature, monitoring frequency and averaging time, including data and calculations used to develop the temperature and a description of why the temperature, monitoring frequency and averaging time demonstrate continuous compliance with the emission limitation in Conditions I.A.1.a(1-2). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(n)]
- (15) C003-VCU1 shall be equipped with an interlock system that ensures ignition of the pilot flame before product loading begins at P001. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(o)]
- (16) There shall be no bypassing of C001 and/or C003-VCU1 during times when VOC is being discharged to the device. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(p)]
- (17) C001 and C003-VCU1 shall be operated and maintained according to their design specifications and in a manner consistent with good air pollution control practices for minimizing emissions when emission unit P001 is operating or emitting air contaminants. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(q), 250-RICR-120-05-16.5, 40 CFR 63.8(c)(1)]
- (18) The permittee shall not allow gasoline to be discarded in sewers or stored in open containers or handled in any manner that would result in evaporation. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(r), 250-RICR-120-05-11.7.1(B)(1)]
- (19) The permittee shall not allow the pressure in the vapor collection system conveying vapors to C001 and/or C003-VCU1 to exceed the tank truck or trailer pressure relief settings. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(s), 250-RICR-120-05-11.7.1(B)(2)]
- (20) All pumps and compressors handling gasoline shall have mechanical seals or other equipment for the purposes of air pollution control as approved by the Director and the USEPA. The

seals or other equipment, when tested by a combustible gas detector at 2.5 centimeters from any potential leak points, shall give no reading of greater than 100% of the lower explosive limit, measured as propane. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(t), 250-RICR-120-05-11.7.1(C)]

- (21) The permittee shall inspect the C003-VCU1 burner annually. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(2)(u), 250-RICR-120-05-29.10(C)(1)(a)]

**c. Monitoring Requirements**

- (1) The permittee shall operate and maintain according to the manufacturer's specifications, a continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration in the exhaust air stream of C001. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(a), 40 CFR 63.427(a)(1)]
- (2) The permittee shall operate and maintain a temperature monitor accurate to within  $\pm 5.6^{\circ}\text{C}$  ( $\pm 10^{\circ}\text{F}$ ) or within 1 percent of the baseline temperature, whichever is less stringent, to measure the operating temperature of C003-VCU1. The monitor shall be as close to the firebox as practical or in the ductwork immediately downstream from the firebox before any substantial heat exchange occurs. The permittee shall verify the accuracy of the temperature monitor once each calendar year with a reference temperature monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent temperature measurement device dedicated for this purpose). During accuracy checking, the probe of the reference device shall be at the same location as that of the temperature monitor being tested. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(b), 40 CFR 63.427(a)(3)]
- (3) The permittee shall maintain and operate a recording pressure measurement device (magnehelic gauge or equivalent device) and an audible and visible alarm system that is activated when a pressure vacuum is not attained. The pressure shall be measured between the facility's vapor connection and its manual isolation valve. The alarm system shall be placed so that it can be seen and heard where cargo transfer is controlled. The permittee shall verify the accuracy of the pressure device once each calendar year with a reference pressure monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent pressure measurement device dedicated for this purpose). The pressure shall be continuously monitored and averaged over rolling 15-minute periods. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(c), 40 CFR 63.427(a)(5)]
- (4) The permittee shall operate C001 or C003-VCU1 in a manner not to exceed or not to go below, as appropriate, the operating parameter value established using the procedures in Conditions I.A.1.d(1)(i) and I.A.1.b(14) of this permit. Operation of C001 or C003-VCU1 in a manner exceeding or going below the operating parameter value, as specified above, shall constitute a violation of the emission standard in Condition I.A.1.a(1-2) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(d), 40 CFR 63.427(b)]



- (5) When required to conduct a performance evaluation of the CEMS, the permittee shall conduct the performance evaluation according to the applicable specifications and procedures in 40 CFR 63.8(e). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(e), 40 CFR 63.8(e)(1)]
- (6) The permittee shall develop and implement a CEMS quality control program. As part of the quality control program, the permittee shall develop and submit to the Office of Air Resources and USEPA, for approval, upon request, a site-specific performance evaluation test plan for the CEMS performance evaluation required in Condition (5) of this subsection, according to the procedures specified in 40 CFR 63.8(e). In addition, each quality control program shall include, at a minimum, a written protocol that describes procedures for each of the following operations:
- (a) Initial and any subsequent calibration of the CEMS;
  - (b) Determination and adjustment of the calibration drift of the CEMS;
  - (c) Preventive maintenance of the CEMS, including spare parts inventory;
  - (d) Data recording, calculations, and reporting;
  - (e) Accuracy audit procedures, including sampling and analysis methods; and
  - (f) Program of corrective action for a malfunctioning CEMS. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(f), 40 CFR 63.8(d)(2)]
- (7) Operation and Maintenance of the Continuous Monitoring Systems
- (a) The CEMS shall be installed such that representative measurements of emissions or process parameters are obtained. In addition, the CEMS shall be located according to procedures contained in 40 CFR 60 Subpart A Appendix B Performance Specification 8. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(1), 40 CFR 63.8(c)(2)(i)]
  - (b) The CEMS shall be operational, and the data verified in conjunction with conducting performance tests in Condition I.A.1.d(1)(l) of this permit. Verification of operational status shall, at a minimum, include completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(2), 40 CFR 63.8(c)(3)]
  - (c) Except for system breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high-level calibration drift adjustments, the CEMS, shall be in continuous operation and shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(3), 40 CFR 63.8(c)(4), 40 CFR 63.8(c)(4)(ii)]

- (d) The permittee shall check the zero (low-level) and high-level calibration drifts of the CEMS at least once daily in accordance with the written procedure specified in the performance evaluation plan developed under Condition (6) of this subsection. The zero (low-level) and high-level calibration drifts shall be adjusted, at a minimum, whenever the 24-hour zero (low-level) drift exceeds 5 percent of the span value. The system must allow the amount of excess zero (low-level) and high-level drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(4), 40 CFR 63.8(c)(6)]
- (e) Out of Control Periods
  - (i) The CEMS is out of control if:
    - (A) The zero (low-level) or high-level calibration drift (CD) exceeds 5 percent of the span value or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(5)(a)(i), 40 CFR 63.8(c)(7)(i)(A)]
    - (B) The CEMS fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit, or linearity test audit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(5)(a)(ii), 40 CFR 63.8(c)(7)(i)(B)]
  - (ii) When the CEMS is out of control, the permittee shall take the necessary corrective action and shall repeat all necessary tests which indicate that the system is out of control. The permittee shall take corrective action and conduct retesting until the performance requirements are below the applicable limits. The beginning of the out-of-control period is the hour the permittee conducts a performance check (e.g., calibration drift) that indicates an exceedance of the performance requirements. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits. During the period the CEMS is out of control, recorded data shall not be used in data averages and calculations, or to meet any data availability requirement established under this part. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(5)(b), 40 CFR 63.8(c)(7)(ii)]
- (f) The permittee shall ensure the immediate repair or replacement of CEMS parts to correct "routine" or otherwise predictable CEMS malfunctions as defined in the startup, shutdown, and malfunction plan required in Condition I.D.1.f of this permit. The permittee shall keep the necessary parts for routine repairs of the affected equipment readily available. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(6), 40 CFR 63.8(c)(1)(i-ii)]

- (g) The Office of Air Resources' or USEPA's determination of whether acceptable operation and maintenance procedures are being used will be based on information that may include, but is not limited to, review of operation and maintenance procedures, operation and maintenance records, manufacturing recommendations and specifications, and inspection of the CEMS. Operation and maintenance procedures written by the CEMS manufacturer and other guidance also can be used to maintain and operate each monitor. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(g)(7), 40 CFR 63.8(c)(1)(iii), 40 CFR 63.6(e)(1)(i)]
- (8) Monitoring data recorded during periods of unavoidable CEMS breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high-level adjustments shall not be included in any data average computed under this permit. For permittee complying with the requirements in Condition I.D.3.d(9)(i) of this permit, data averages must include any data recorded during periods of monitor breakdown or malfunction. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(h), 40 CFR 63.8(g)(5)]
- (9) Each calendar month, C001, C003-VCU1, and P001 shall be inspected during loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. Detection methods incorporating sight, sound or smell are acceptable. Each detection of a leak shall be recorded, and the source of the leak repaired with 15 calendar days after it is detected. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(3)(i), 40 CFR 60.502(j)]

**d. Testing Requirements**

- (1) Vapor Recovery Unit (C001) and Vapor Combustion Unit (C003-VCU1)
  - (a) Performance testing shall be conducted in accordance with the test methods and procedures in 40 CFR 60.503(c). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(1-2), 40 CFR 63.425(a), 250-RICR-120-05-11.7.3]
  - (b) A stack testing protocol shall be submitted to the Office of Air Resources for review and approval prior to the performance of any stack tests. The permittee shall provide the Office of Air Resources at least 60 days prior notice of any stack test. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(3)]
  - (c) All test procedures used for stack testing shall be approved by the Office of Air Resources prior to the performance of any stack tests. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(4)]
  - (d) The permittee shall install any and all test ports or platforms necessary to conduct the required stack testing, provide safe access to any platforms and provide the necessary utilities for sampling and testing equipment. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(5)]

- (e) All testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emission limitations. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(6)]
- (f) A final report of the results of stack testing shall be submitted to the Office of Air Resources no later than 60 days following completion of testing. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(7)]
- (g) All stack testing must be observed by the Office of Resources or its authorized representatives to be considered acceptable, unless the Office of Air Resources provides authorization to the permittee to conduct the stack testing without an observer present. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(8)]
- (h) Immediately before conducting any performance test required to determine compliance with Conditions I.A.1.a(1-2) or I.A.1.b.(11)(a) of this permit, the permittee shall use 40 CFR 60, Appendix A, Method 21 to monitor for leakage of vapor from all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The permittee shall repair all leaks with readings of 500 ppm (as methane) or greater before conducting the performance test. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(9), 40 CFR 60.503(b), 40 CFR 63.425(a)]
- (i) During the performance test conducted under Conditions (a)(1) of this subsection the permittee shall determine a monitored operating parameter value for each vapor processing system using the following procedure: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(10), 40 CFR 63.425(b)]
  - (i) During the performance test, continuously record the operating parameter for the continuous emission monitoring system required by Condition I.A.1.c(1) of this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(10)(a), 40 CFR 63.425(b)(1)]
  - (ii) Determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(10)(b), 40 CFR 63.425(b)(2)]
  - (iii) Provide for the Office of Air Resource's approval, the rationale for the selected operating parameter value and monitoring frequency and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency and averaging time demonstrate continuous compliance with the emission standard in Conditions I.A.1.a(1-2) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(10)(c), 40 CFR 63.425(b)(3)]

- (j) For performance tests performed after the initial test, the permittee shall document the reasons for any change in the operating parameter value since the previous performance test. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(11), 40 CFR 63.425(c), 40 CFR 60.503(c)]
- (k) The permittee shall determine compliance with the standards in Conditions I.A.1.a(1-2) of this permit using the test methods and procedures in 40 CFR 63.7, 40 CFR 60.503 and this section: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12), 40 CFR 60.503(c), 250-RICR-120-05-11.7.3]
- (i) The performance test shall be 6 hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(a), 40 CFR 60.503(c)(1)]
- (ii) The emission rate (E) of total organic compounds shall be computed using the following equation: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(b), 40 CFR 60.503(c)(3)]

$$E = K \sum_{i=1}^n (V_{esi} C_{ei}) / (L 10^6)$$

where:

E = emission rate of total organic compounds, mg/liter of gasoline loaded.

$V_{esi}$  = volume of air-vapor mixture exhausted at each interval "i", scm.

$C_{ei}$  = concentration of total organic compounds at each interval "i", ppm.

L = total volume of gasoline loaded, liters.

n = number of testing intervals.

i = emission testing interval of 5 minutes.

K = density of calibration gas,  $1.83 \times 10^6$  for propane and  $2.4 \times 10^6$  for butane, mg/scm.

- (iii) The performance test shall be conducted in intervals of 5 minutes. For each interval “i”, readings from each measurement shall be recorded, and the volume exhausted ( $V_{esi}$ ) and the corresponding average total organic compounds concentration ( $C_{ei}$ ) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(c), 40 CFR 60.503(c)(4)]
- (iv) The following methods shall be used to determine the volume ( $V_{esi}$ ) air-vapor mixture exhausted at each interval: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(d), 40 CFR 60.503(c)(5)]
  - (A) Method 2B shall be used for C003-VCU1. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(d)(i), 40 CFR 60.503(c)(5)(i)]
  - (B) Method 2A shall be used for C001. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(d)(ii), 40 CFR 60.503(c)(5)(ii)]
- (v) Method 25A or 25B shall be used for determining the total organic compounds concentration ( $C_{ei}$ ) at each interval. The calibration gas shall be either propane or butane. The permittee may exclude the methane and ethane content in the exhaust vent by any method (e.g., Method 18) approved by the USEPA. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(e), 40 CFR 60.503(c)(6)]
- (vi) To determine the volume (L) of gasoline dispensed during the performance test period at all loading racks whose vapor emissions are controlled by the processing system being tested, terminal records or readings from gasoline dispensing meters at each loading rack shall be used. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(a)(12)(f), 40 CFR 60.503(c)(7)]

(2) Vapor collection and liquid loading equipment

- (a) The permittee shall determine compliance with the standard in Condition I.A.1.b(11)(a) of this permit as follows: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(b)(1), 40 CFR 60.503(d)]
  - (i) 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. [Approval Nos. 377,

838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(b)(1)(a), 40 CFR 60.503(d)(1)]

- (ii) During any performance test, the pressure shall be recorded every 5 minutes while a gasoline tank truck is being loaded; the highest instantaneous pressure that occurs during each loading shall be recorded. Every loading position must be tested at least once during the performance test. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(b)(1)(b), 40 CFR 60.503(d)(2)]

(3) Annual Certification Test for Gasoline Tank Trucks

The annual certification test for gasoline tank trucks shall consist of the following test methods and procedures: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(c), 40 CFR 63.425(e)]

- (a) Method 27, appendix A, 40 CFR 60. Conduct the test using a time period (t) for the pressure and vacuum tests of 5 minutes. The initial pressure ( $P_i$ ) for the pressure test shall be 460 mm H<sub>2</sub>O (18 in. H<sub>2</sub>O), gauge. The initial vacuum ( $V_i$ ) for the vacuum test shall be 150 mm H<sub>2</sub>O (6 in. H<sub>2</sub>O), gauge. The maximum allowable pressure and vacuum changes ( $\Delta p$ ,  $\Delta v$ ) are as shown in the second column of Table 1. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(c)(1), 40 CFR 63.425(e)(1), 250-RICR-120-05-11.12.2(C)]

TABLE 1. —ALLOWABLE CARGO TANK TEST PRESSURE OR VACUUM CHANGE

Cargo Tank or Compartment Capacity, liters (gal)	Annual Certification-Allowable Pressure or Vacuum Change ( $\Delta p$ , $\Delta v$ ) in 5 Minutes, mm H <sub>2</sub> O (in. H <sub>2</sub> O)	Allowable Pressure Change ( $\Delta p$ ) in 5 Minutes at Any Time, mm H <sub>2</sub> O (in. H <sub>2</sub> O)
9,464 or more (2,500 or more)	25 (1.0)	64 (2.5)
9,463 to 5,678 (2,499 to 1,500)	38 (1.5)	76 (3.0)
5,679 to 3,785 (1,499 to 1,000)	51 (2.0)	89 (3.5)
3,782 or less (999 or less)	64 (2.5)	102 (4.0)

- (b) Pressure test of the cargo tank's internal vapor valve as follows: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(c)(2), 40 CFR 63.425(e)(2)]
  - (i) After completing the tests in Condition (3)(a) of this subsection, use the procedures in Method 27 to repressurize the tank to 460 mm H<sub>2</sub>O (18 in. H<sub>2</sub>O), gauge. Close the tank's internal vapor valve(s), thereby isolating the vapor return line and manifold from the tank. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(c)(2)(a), 40 CFR 63.425(e)(2)(i)]
  - (ii) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After 5 minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable 5-minute pressure increase is 130 mm H<sub>2</sub>O (5 in. H<sub>2</sub>O). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(c)(2)(b), 40 CFR 63.425(e)(2)(ii)]

(4) Leak Detection Test

- (a) The leak detection test shall be performed using 40 CFR 60, Appendix A, Method 21, except omit Section 4.3.2 of Method 21. A vapor-tight gasoline tank truck shall have no leaks at any time when tested according to the procedures in this condition. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(1), 40 CFR 63.425(f), 250-RICR-120-05-11.12.2(D)]
- (b) The leak definition shall be 21,000 ppm as propane. Use propane to calibrate the instrument, setting the span at the leak definition. The response time to 90 percent of the final stable reading shall be less than 8 seconds for the detector with the sampling line and probe attached. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(2), 40 CFR 63.425(f)(1)]
- (c) In addition to the procedures in Method 21, include the following procedures: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(3), 40 CFR 63.425(f)(2)]
  - (i) Perform the test on each compartment during loading of that compartment or while the compartment is still under pressure. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(3)(a), 40 CFR 63.425(f)(2)(i)]
  - (ii) To eliminate a positive instrument drift, the dwell time for each leak detection shall not exceed two times the instrument response time. Purge the instrument with ambient air between each leak detection. The duration of the purge shall be in excess of two instrument response times. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(3)(b), 40 CFR 63.425(f)(2)(ii)]



- (iii) Attempt to block the wind from the area being monitored. Record the highest detector reading and location for each leak. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(d)(3)(c), 40 CFR 63.425(f)(2)(iii)]

(5) Nitrogen Pressure Decay Field Test

For those cargo tanks with manifolded product lines, this test procedure shall be conducted on each compartment. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e), 40 CFR 63.425(g)]

- (a) Record the cargo tank capacity. Upon completion of the loading operation, record the total volume loaded. Seal the cargo tank vapor collection system at the vapor coupler. The sealing apparatus shall have a pressure tap. Open the internal vapor valve(s) of the cargo tank and record the initial headspace pressure. Reduce or increase, as necessary, the initial headspace pressure to 460 mm H<sub>2</sub>O (18.0 in. H<sub>2</sub>O), gauge by releasing pressure or by adding commercial grade nitrogen gas from a high-pressure cylinder capable of maintaining a pressure of 2,000 psig. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(1), 40 CFR 63.425(g)(1)]
  - (i) The cylinder shall be equipped with a compatible two-stage regulator with a relief valve and a flow control metering valve. The flow rate of the nitrogen shall be no less than 2 cfm. The maximum allowable time to pressurize cargo tanks with headspace volumes of 1,000 gallons or less to the appropriate pressure is 4 minutes. For cargo tanks with a headspace of greater than 1,000 gallons, use as a maximum allowable time to pressurize 4 minutes or the result from the equation below, whichever is greater. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(1)(a), 40 CFR 63.425(g)(1)(i)]

$$T = V_h \times 0.004$$

where:

T = maximum allowable time to pressurize the cargo tank, min;

V<sub>h</sub> = cargo tank headspace volume during testing, gal.

- (b) It is recommended that after the cargo tank headspace pressure reaches approximately 460 mm H<sub>2</sub>O (18 in. H<sub>2</sub>O), gauge, a fine adjust valve be used to adjust the headspace pressure to 460 mm H<sub>2</sub>O (18.0 in. H<sub>2</sub>O), gauge for the next 30 ± 5 seconds. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(2), 40 CFR 63.425(g)(2)]
- (c) Reseal the cargo tank vapor collection system and record the headspace pressure after 1 minute. The measured headspace pressure after 1 minute shall be greater than the minimum allowable final headspace pressure (P<sub>f</sub>) as calculated from the following

equation: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(3), 40 CFR 63.425(g)(3)]

$$P_f = 18 \left[ \frac{(18-N)}{18.0} \right]^{(5 \frac{V_s}{V_h})}$$

where:

$P_f$  = minimum allowable final headspace pressure, in. H<sub>2</sub>O, gauge;

$V_s$  = total cargo tank shell capacity, gal;

$V_h$  = cargo tank headspace volume after loading, gal;

18.0 = initial pressure at start of test, in. H<sub>2</sub>O, gauge;

$N$  = 5-minute continuous performance standard at any time from the third column of Table 1, inches H<sub>2</sub>O.

- (d) Conduct the internal vapor valve portion of this test by repressurizing the cargo tank headspace with nitrogen to 460 mm H<sub>2</sub>O (18 in. H<sub>2</sub>O), gauge. Close the internal vapor valve(s), wait for 30 ± 5 seconds, then relieve the pressure downstream of the vapor valve in the vapor collection system to atmospheric pressure. Wait 15 seconds, then reseal the vapor collection system. Measure and record the pressure every minute for 5 minutes. Within 5 seconds of the pressure measurement at the end of 5 minutes, open the vapor valve and record the headspace pressure as the "final pressure." [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(4), 40 CFR 63.425(g)(4)]
- (e) If the decrease in pressure in the vapor collection system is less than at least one of the interval pressure change values in Table 2, or if the final pressure is equal to or greater than 20 percent of the 1-minute final headspace pressure determined in the test in Condition (5)(c) of this subsection, then the cargo tank is considered to be a vapor-tight gasoline cargo tank. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(e)(5), 40 CFR 63.425(g)(5)]

TABLE 2. —PRESSURE CHANGE FOR INTERNAL VAPOR VALVE TEST

Time Interval	Interval Pressure Change, mm H <sub>2</sub> O (in. H <sub>2</sub> O)
After 1 minute	28 (1.1)
After 2 minutes	56 (2.2)
After 3 minutes	84 (3.3)
After 4 minutes	112 (4.4)
After 5 minutes	140 (5.5)

- (6) Continuous performance pressure decay test.

The continuous performance pressure decay test shall be performed using 40 CFR 60, Appendix A, Method 27. Conduct only the positive pressure test using a time period (t) of 5 minutes. The initial pressure ( $P_i$ ) shall be 460 mm H<sub>2</sub>O (18 in. H<sub>2</sub>O), gauge. The maximum allowable 5-minute pressure change ( $\Delta p$ ) which shall be met at any time is shown in the third column of Table 1. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(4)(f)(1), 40 CFR 63.425(h)]

**e. Recordkeeping Requirements**

- (1) The permittee shall continuously monitor the pressure/vacuum of the vapor collection system during loading. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(a)]
- (2) The permittee shall keep records of the test results for each gasoline tank truck loading at the facility as follows: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(b), 40 CFR 60.505(a), 40 CFR 63.428(b)]
- (a) Annual certification testing performed under Condition I.A.1.d(3) of this permit; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(b)(1), 40 CFR 63.428(b)(1)]
- (b) Continuous performance testing performed at any time at that facility under Conditions I.A.1.d(4-6) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(b)(2), 40 CFR 63.428(b)(2)]
- (c) The documentation file shall be kept up-to-date for each gasoline tank truck loading at the facility. The documentation for each test shall include, as a minimum, the following information: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(b)(3), 40 CFR 60.505(b)(1-8), 40 CFR 63.428(b)(3)(i-vii)]
- (i) Name of test:
- Annual Certification Test—Method 27 [Condition I.A.1.d(3)],  
Annual Certification Test—Internal Vapor Valve [Condition I.A.1.d(3)(b)],  
Leak Detection Test [Condition I.A.1.d(4)],  
Nitrogen Pressure Decay Field Test [Condition I.A.1.d(5)], or  
Continuous Performance Pressure Decay Test  
[Condition I.A.1.d(6)]
- (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: pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument and leak definition.
- (3) The permittee shall record and report simultaneously with the notification of compliance status required under 40 CFR 63.9(h), all data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under Condition I.A.1.d(1)(i) of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(c), 40 CFR 63(c)(2)(i)]
- (4) The permittee shall keep an up-to-date, readily accessible record of the continuous emissions monitoring data required under Condition I.A.1.c(1-2) of this permit. This record shall indicate the time intervals during which loadings of gasoline tank trucks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(d), 40 CFR 63.428(c)(1)]
- (5) The permittee shall maintain the following records for P001: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)]
- (a) Records of daily throughput quantities of gasoline, aviation gasoline, gasoline-additives, ethanol and distillate fuel oil. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)(1), 250-RICR-120-05-11.7.2(A)(1)]
  - (b) Records of daily throughput quantities of distillate fuel oil that is top-loaded in to tank trucks. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)(2)]
  - (c) Records of the operating hours of the vapor recovery unit and/or vapor combustion unit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)(3)]
  - (d) Records of the operating hours of the vacuum-assist system. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)(4)]
  - (e) Records of both scheduled and unscheduled maintenance of the vapor processing system. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(e)(5), 250-RICR-120-05-11.7.2(A)(2)]

- (6) The permittee shall maintain records of the occurrence and duration of any malfunction in the operation of P001; any malfunction of C001 and/or of C003-VCU1 or any periods during which a continuous monitoring system or monitoring device is inoperative. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(5)(f), 40 CFR 60.7(b)]

**f. Other Requirements**

- (1) The Director may, at any time, monitor a gasoline tank truck, vapor collection system or vapor processing system, by the methods referenced in Section I.A.1.d of this permit, to confirm continuing compliance with the terms of Section I.A.1 of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(6)(1)]
- (2) The emission standards set forth in Conditions I.A.1.a(1-2) of this permit shall apply at all times except during periods of startup, shutdown, and malfunction. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(A)(6)(2), 40 CFR 63.6(f)(1)]

**2. Requirements for Emission Unit P002**

The following Requirements are applicable to:

- Emission unit P002, which is a marine vessel loading dock. The loading dock is used to load distillates and ethanol into barges and ships for transport. The vapors from marine vessel loading of ethanol are collected and routed to air pollution control device C002-VCU2, which is a John Zink Thermal Oxidizer, Model No.ZCM-3-8-45-X-2/8-3/8.

**a. Emission Limitations**

Emissions of volatile organic compounds (VOCs) from the loading of ethanol into marine tank vessels shall not exceed 5.0 mg per liter of ethanol loaded. [Approval Nos. 1879 & 1995(A)(1)(a)]

**b. Operating Requirements**

- (1) All loading of ethanol into marine tank vessels shall be made only into those vessels that are equipped with vapor collection equipment that is compatible with the facility's vapor collection system. [Approval Nos. 1879 & 1995(A)(2)(a)]
- (2) All loading of ethanol into marine tank vessels shall be made only when the marine tank vessel's vapor collection equipment is connected to the facility's vapor collection system. [Approval Nos. 1879 & 1995(A)(2)(b)]
- (3) All loading of ethanol into marine tank vessels shall be conducted with the vapor collection system in operation. VOC emissions generated during the loading events shall be captured and discharged through C002-VCU2 for destruction. [Approval Nos. 1879 & 1995(A)(2)(c)]
- (4) All loading of ethanol into marine tank vessels shall be conducted at less than atmospheric pressure (i.e., at negative gauge pressure). A specific negative pressure shall be maintained, as specified by the manufacturer's operating recommendations and instructions, during the

loading of ethanol into marine tank vessels. The permittee shall provide the Office of Air Resources the specific negative pressure specified by the manufacturer's operating recommendations and instructions prior to the compliance testing required by Condition I.A.2.d(1) of this permit. [Approval Nos. 1879 & 1995(A)(2)(d)]

- (5) If the vacuum system should fail, the operator has 30 minutes to correct the problem and restore the vacuum. Loading operations shall cease if the vacuum is not restored within 30 minutes of failure. The loading operations may resume once proper vacuum has been restored. [Approval Nos. 1879 & 1995(A)(2)(e)]
- (6) The minimum operating temperature and averaging period of C002-VCU2 during loading shall be determined from the initial performance test and revised, as appropriate, from the results of subsequent performance tests. After each performance test, the following shall be provided to the Office of Air Resources: the rationale for the minimum operating temperature, monitoring frequency and averaging time, including data and calculations used to develop the temperature and a description of why the temperature, monitoring frequency and averaging time demonstrate continuous compliance with the emission limitation in condition I.A.2.a(1) of this permit. [Approval Nos. 1879 & 1995(A)(2)(f)]
- (7) C002-VCU2 shall be equipped with an interlock system that ensures ignition of the pilot flame before product loading into the marine vessel begins. [Approval Nos. 1879 & 1995(A)(2)(g)]
- (8) The fill rate of ethanol into marine tank vessels shall not exceed 180,000 gallons per hour. [Approval Nos. 1879 & 1995(A)(2)(h)]
- (9) C002-VCU2 shall be operated according to its design specifications whenever P002 is in operation or is emitting air contaminants. [250-RICR-120-05-16.5]
- (10) In the case of a malfunction of C002-VCU2, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C002-VCU2 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate the source on which it is installed at any time beyond that period, the Director shall be petitioned for a variance under RI General Laws § 23-23-15, as amended. Such petition shall include, but is not limited to, the following: [250-RICR-120-05-16.6]
  - (a) Identification of the specific air pollution control system and source on which it is installed; [250-RICR-120-05-16.6(a)]
  - (b) The expected period of time that the air pollution control system will be malfunctioning or out of service; [250-RICR-120-05-16.6(b)]
  - (c) The nature and quantity of air contaminants likely to be emitted during said period; [250-RICR-120-05-16.6(c)]
  - (d) Measures that will be taken to minimize the length of said period, and; [250-RICR-120-05-16.6(d)]

- (e) The reasons that it would be impossible or impractical to cease the source operation during said period. [250-RICR-120-05-16.6(e)]
- (11) The permittee may seek to establish that a malfunction of any C002-VCU2 that would result in noncompliance with Section I.A.2 of this permit or any other applicable air pollution control rules and regulations was due to unavoidable increases in emissions attributable to the malfunction. To do so, the permittee must demonstrate to the Office of Air Resources that: [Approval Nos. 1879 & 1995(A)(6)(a)]
- (a) The malfunction was not attributable to improperly design of C002-VCU2, lack of preventative maintenance, careless or improper operation, or operator error; [Approval Nos. 1879 & 1995(A)(6)(a)(1)]
  - (b) The malfunction was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; [Approval Nos. 1879 & 1995(A)(6)(a)(2)]
  - (c) Repairs necessary to bring C002-VCU2 back to normal and proper operation were performed in an expeditious fashion. Off-shift labor and overtime should be utilized, to the extent practicable, to ensure that such repairs were completed as expeditiously as practicable. Any parts or material needed should be shipped overnight where possible or practical. [Approval Nos. 1879 & 1995(A)(6)(a)(3)]
  - (d) All possible steps were taken to minimize emissions during the period of time that the repairs were performed. [Approval Nos. 1879 & 1995(A)(6)(a)(4)]
  - (e) Emissions during the period of time that the repairs were performed will not: [Approval Nos. 1879 & 1995(A)(6)(a)(5)]
    - (i) Cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by Air Pollution Control Regulation No. 22 and any Calculated Acceptable Ambient Levels; and [Approval Nos. 1879 & 1995(A)(6)(a)(5)(a)]
    - (ii) Cause or contribute to air pollution in violation of any applicable state or national ambient air quality standard. [Approval Nos. 1879 & 1995(A)(6)(a)(5)(b)]
  - (f) The reasons that it would be impossible or impractical to cease the source operation of P002 during said period. [Approval Nos. 1879 & 1995(A)(6)(a)(6)]

This demonstration must be provided to the Office of Air Resources, in writing, within two working days of the time when the malfunction occurred and contain a description of the malfunction, any steps taken to minimize emissions and corrective actions taken.

The permittee shall have the burden of proof in seeking to establish that noncompliance was due to unavoidable increases in emissions attributable to the malfunction.

- (12) There shall be no bypassing of C002-VCU2 during times when loading of ethanol into the marine tank is taking place. [Approval Nos. 1879 & 1995(A)(7)(c)]

- (13) The permittee shall inspect the C002-VCU2 burner annually. [250-RICR-120-05-29.10(C)(1)(a)]

**c. Monitoring Requirements**

- (1) The permittee shall install, calibrate, maintain, and operate a recording pressure measurement device (magnehelic gauge or equivalent device) and an audible and visible alarm system that is activated when a pressure vacuum is not attained. The pressure shall be measured between the facility's vapor connection and its manual isolation valve. The permittee shall place the alarm system so that it can be seen and heard where cargo transfer is controlled. The permittee shall verify the accuracy of the pressure device once each calendar year with a reference pressure monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent pressure measurement device dedicated for this purpose). The pressure shall be continuously monitored and averaged over rolling 15-minute periods. [Approval Nos. 1879 & 1995(A)(3)(a), 250-RICR-120-05-29.10(C)(1)(a)]
- (2) The permittee shall install, calibrate, operate, and maintain a temperature monitor accurate to within  $\pm 5.6^{\circ}\text{C}$  ( $\pm 10^{\circ}\text{F}$ ) or within 1 percent of the baseline temperature, whichever is less stringent, to measure the operating temperature of C002-VCU2. The monitor shall be installed as close to the firebox as practical or in the ductwork immediately downstream from the firebox before any substantial heat exchange occurs. The permittee shall verify the accuracy of the temperature monitor once each calendar year with a reference temperature monitor (traceable to National Institute of Standards and Technology (NIST) standards or an independent temperature measurement device dedicated for this purpose). During accuracy checking, the probe of the reference device shall be at the same location as that of the temperature monitor being tested. [Approval Nos. 1879 & 1995(A)(3)(b), 250-RICR-120-05-29.10(C)(1)(a)]

**d. Testing Requirements**

- (1) Testing shall be conducted in accordance with the test methods in 40 CFR 63.565 as amended or another USEPA approved method which has been accepted by the Director. This test shall be conducted so that at least 50% of the total liquid loaded is included. [Approval Nos. 1879 & 1995(A)(4)(a)]
- (2) During each performance test required in Condition (1) of this subsection, the permittee shall determine the average operating temperature of C002-VCU2. The average operating temperature is the temperature monitored per Condition I.A.2.c(2) of this permit averaged over the course of the performance test [Approval Nos. 1879 & 1995(A)(4)(b)]
- (3) A stack testing protocol shall be submitted to the Office of Air Resources for review and approval at least 60 days prior to the performance of any stack tests. The permittee shall provide the Office of Air Resources at least 60 days prior notice of any stack test. [Approval Nos. 1879 & 1995(A)(4)(c)]
- (4) All test procedures used for stack testing shall be approved by the Office of Air Resources prior to the performance of any stack tests. [Approval Nos. 1879 & 1995(A)(4)(d)]



- (5) The permittee shall install any and all test ports or platforms necessary to conduct the required stack testing, provide safe access to any platforms and provide the necessary utilities for sampling and testing equipment. [Approval Nos. 1879 & 1995(A)(4)(e)]
- (6) All testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emissions limitation. [Approval Nos. 1879 & 1995(A)(4)(f)]
- (7) A final report of the results of stack testing shall be submitted to the Office of Air Resources no later than 60 days following completion of testing. [Approval Nos. 1879 & 1995(A)(4)(g)]
- (8) All stack testing must be observed by the Office of Resources or its authorized representatives to be considered acceptable. [Approval Nos. 1879 & 1995(A)(4)(h)]

**e. Recordkeeping Requirements**

- (1) The permittee shall continuously measure and record the marine tank vessel loading pressure. [Approval Nos. 1879 & 1995(A)(5)(a), 250-RICR-120-05-29.10(C)(1)(a)]
- (2) The permittee shall continuously measure and record the operating temperature of C002-VCU2. [Approval Nos. 1879 & 1995(A)(5)(b), 250-RICR-120-05-29.10(C)(1)(a)]
- (3) The permittee shall record the following information about each loading event and maintain this information at the facility for a period of five years: [Approval Nos. 1879 & 1995(A)(5)(c)]
  - (a) The date and time at which the marine vessel arrived and departed from the facility; [Approval Nos. 1879 & 1995(A)(5)(c)(1)]
  - (b) The name, registry of vessels and name and address of the legal owner of the marine tank vessel participating in the loading event; [Approval Nos. 1879 & 1995(A)(5)(c)(2)]
  - (c) The prior cargo carried by the receiving marine tank vessel; [Approval Nos. 1879 & 1995(A)(5)(c)(3)]
  - (d) The amount of ethanol loaded into the receiving marine tank vessel; [Approval Nos. 1879 & 1995(A)(5)(c)(4)]
  - (e) The condition of the receiving tanks prior to being loaded (i.e. cleaned, crude oil, washed, gas freed, etc.); [Approval Nos. 1879 & 1995(A)(5)(c)(5)]
- (4) The permittee shall collect and record the following information and maintain the information for a period of 5 years. These records shall be made available to the Office of Air Resources and USEPA upon request. [Approval Nos. 1879 & 1995(A)(5)(d)]
  - (a) The date and results of each emission test performed at the facility as required in Condition I.A.2.d(1) of this permit; [Approval Nos. 1879 & 1995(A)(5)(d)(1)]

- (b) A daily log of operating time for the capture system, C002-VCU2 and monitoring equipment; [Approval Nos. 1879 & 1995(A)(5)(d)(2)]
- (c) A maintenance log for the capture system, C002-VCU2 and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages; [Approval Nos. 1879 & 1995(A)(5)(d)(3)]
- (d) The dates of any loading events which bypassed the C002-VCU2 or were not conducted at a negative gauge pressure or when the marine terminal was not leak free; [Approval Nos. 1879 & 1995(A)(5)(d)(4)]
- (e) All periods of operation in which the average operating temperature of C002-VCU2 was more than 50°F less than the minimum operating temperature over the specified averaging period; [Approval Nos. 1879 & 1995(A)(5)(d)(5)]

**f. Other Requirements**

- (1) To the extent consistent with the requirements of Section I.A.2 of this permit and applicable Federal and State laws, the emission unit shall be designed, constructed, and operated in accordance with the representation of the emission unit in the preconstruction permit application. [Approval Nos. 1879 & 1995(A)(7)(a)]
- (2) At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate the facility 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 information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [Approval Nos. 1879 & 1995(A)(7)(e)]

**B. Tanks**

**1. Requirements for Emission Units T1906, T3344, T3620, T7049, T7132, T7488, T7489, T7494, T7521, T7547, T7548, T7549, T7651, T7652, T31641 and T31726**

The following requirements are applicable to:

- Emission unit T1906, which is a 2,018,352-gallon storage tank. T1906 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary Seal and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60 Subpart Kb)
- Emission unit T3344, which is a 2,205,126-gallon storage tank. T3344 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary Seal and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60 Subpart Kb)
- Emission unit T3620, which is a 2,538,018-gallon storage tank. T3620 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary Seal and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60 Subpart Kb)

- Emission unit T7049, which is a 2,522,394-gallon storage tank. T7049 is equipped with a Fixed Roof with Internal Floating Roof and Vapor Mounted Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60 Subpart Kb)
- Emission unit T7132, which is a 2,445,324-gallon storage tank. T7132 is equipped with a Fixed Roof with Internal Floating Roof and Vapor Mounted Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7488, which is a 1,345,260-gallon storage tank. T7488 is equipped with a Fixed Roof with Internal Floating Roof and Vapor Mounted Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7489, which is a 1,343,286-gallon storage tank. T7489 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7494, which is a 1,207,878-gallon storage tank. T7494 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary Seal and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60, Subpart Kb)
- Emission unit T7521, which is a 4,728,234-gallon Petroleum Liquid Storage Tank. T7521 is equipped with a Vertical Fixed Roof. (Subject to 40 CFR 63, Subpart R and 40 CFR 60, Subpart Kb)
- Emission unit T7547, which is a 2,731,260-gallon storage tank. T7547 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe and Rim-Mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R and 40 CFR 60, Subpart Kb)
- Emission unit T7548, which is a 2,737,266-gallon storage tank. T7548 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7549, which is a 2,664,186-gallon storage tank. T7549 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7651, which is a 540,204-gallon storage tank. T7651 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical shoe Primary and Shoe Mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T7652, which is a 520,380-gallon storage tank. T7651 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical shoe Primary and Shoe Mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not Subject to 40 CFR 60 Subparts K, Ka or Kb)
- Emission unit T31641, which is a 3,800,580-gallon storage tank. T31641 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subparts K, Ka or Kb)

- Emission unit T31726, which is a 3,888,528-gallon storage tank. T31726 is equipped with a Fixed Roof with Internal Floating Roof and Mechanical Shoe Primary and Rim-mounted Secondary Seal. (Subject to 40 CFR 63, Subpart R but not subject to 40 CFR 60 Subpart K)

**a. Operating Requirements**

- (1) Each storage vessel shall be equipped with a fixed roof in combination with an internal floating roof and shall meet the following specifications: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a), 40 CFR 63.423(a), 250-RICR-120-05-11.6.1(A)(1)]
  - (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. There shall be no accumulated liquid on the internal floating 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 vessels are 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 accomplished as rapidly as possible. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(1), 40 CFR 63.423(a), 250-RICR-120-05-11.6.1(A)(1)(a-b)]
  - (b) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(2), 40 CFR 63.423(a)]
    - (i) Two seals mounted one above the other so that each form a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor mounted, but both must be continuous. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(2)(a), 40 CFR 63.423(a), 250-RICR-120-05-11.6.1(A)(1)(c)]
    - (ii) A mechanical shoe seal and a secondary 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. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(2)(b), 40 CFR 63.423(a), 250-RICR-120-05-11.6.1(A)(1)(c)]
  - (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. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(3), 40 CFR 63.423(a), 250-RICR-120-05-11.6.1(A)(4)(a-c)]
- (2) Storage vessels T1906, T3344, T3620, T7049, T7132, T7488, T7489, T7494 T7547, T7548, T7549, T7521, T7547, T7548, T7549, T7651, T7652, T31641 and T31726 shall be allowed

to store: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(a)(1-3)]

- (a) gasoline; or,
  - (b) ethanol; or,
  - (c) other petroleum liquids that have a Reid vapor pressure of 4.0 psia or less as determined by ASTM Method D323.
- (3) Storage vessels T7651 and T7652 shall be allowed to store: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(1)(b)(1-3)]
- (a) aviation gasoline; or,
  - (b) ethanol; or,
  - (c) other petroleum liquids that have a Reid vapor pressure of 7.1 psia or less as determined by ASTM Method D323.

**b. Monitoring Requirements**

- (1) The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal, prior to filling the storage vessels with gasoline or petroleum liquids. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof or both, the permittee shall repair the items before filling the storage vessels. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(a), 40 CFR 63.425(d), 250-RICR-120-05-11.6.1(A)(3)]
- (2) For each storage vessel equipped with a mechanical shoe seal, the permittee shall:
  - (a) conduct a visual inspection through manholes and roof hatches on the fixed roof, at least once every 12 months after initial fill, of the internal floating roof, the primary seal or the secondary seal (if one is in service); and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(b)(1), 40 CFR 63.425(d), 250-RICR-120-05-11.6.1(A)(5), 250-RICR-120-05-29.10(C)(1)(b)]
  - (b) empty and degas the storage vessel at least every 10 years and conduct a visual inspection of the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals; or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(b)(2), 40 CFR 63.425(d), 250-RICR-120-05-11.6.1(A)(6), 250-RICR-120-05-29.10(C)(1)(b)]
- (3) For vessels equipped with a double-seal system as specified in Condition I.B.1.a.(1)(b)(i) of this permit, the permittee shall:

- (a) conduct a visual inspection through manholes and roof hatches on the fixed roof, at least once every 12 months after initial fill, of the internal floating roof, the primary seal or the secondary seal (if one is in service and empty and degas the vessel at least every 10 years and conduct a visual inspection of the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals; or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(c)(1), 40 CFR 63.425(d), 40 CFR 60.113b(a)(3)(i-ii), 250-RICR-120-05-11.6.1(A)(5), 250-RICR-120-05-29.10(C)(1)(b)]
  - (b) empty and degas the vessel at least every 5 years and conduct a visual inspection of the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(c)(2), 40 CFR 63.425(d), 250-RICR-120-05-11.6.1(A)(6), 250-RICR-120-05-29.10(C)(1)(b)]
- (4) If, during the visual inspection through manholes and roof hatches, the internal floating roof is not resting on the liquid surface, 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 the above inspection cannot be repaired within 45 days and if the storage vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Office of Air Resources in the inspection report required in Condition I.B.1.d(2) of this permit. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired, or the vessel will be emptied as soon as possible. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(d), 40 CFR 63.425(d)]
- (5) If, during the visual inspection when the storage vessel is emptied and degassed, the internal floating roof has defects, the primary seal or 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 gasoline or petroleum liquids. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(e), 40 CFR 63.425(d)]

**c. Recordkeeping Requirements**

- (1) The permittee shall maintain records of each inspection performed as required by Condition I.B.1.b(1-5) of this permit. Each record shall contain; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(a), 40 CFR 63.428(d), 250-RICR-120-05-11.6.2(A)(1)]
- (a) The identity of each storage vessel; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(a)(1), 40 CFR 63.428(d)]

- (b) The date each vessel was inspected; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(a)(2), 40 CFR 63.428(d)]
  - (c) The observed condition of each component of the control equipment (seals, internal floating roof, and fittings). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(a)(3), 40 CFR 63.428(d)]
- (2) The permittee shall maintain the following records for each storage vessel: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(b), 40 CFR 63.427(c)]
- (a) Records showing the dimensions of each vessel and an analysis showing the capacity of each vessel; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(b)(1), 40 CFR 63.427(c)]
  - (b) The product stored, the period of storage and the maximum true vapor pressure of that product during the respective storage period for each vessel. Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs in API Bulletin 2517, unless the Office of Air Resources specifically requests that the liquid be sampled, the actual storage temperature determined and the Reid vapor pressure determined from the sample(s); and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(b)(2), 40 CFR 63.427(c)]
  - (c) The monthly throughput for each vessel for each product stored. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(3)(b)(3), 250-RICR-120-05-11.6.2(A)(2)]
  - (d) Records for both scheduled and unscheduled maintenance. [250-RICR-120-05-11.6.2(A)(3)]

**d. Reporting Requirements**

- (1) If any of the conditions described in Condition I.B.1.b(4) of this permit are detected during the annual visual inspection, a report shall be furnished to the USEPA and Office of Air Resources within 30 days of the inspection. Each report shall contain: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(a), 40 CFR 63.428(d), 40 CFR 63.428(g)(2)]
- (a) The identity of the storage vessel; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(a)(1)]
  - (b) The nature of the defect(s); and, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(a)(2), (A)(4)(a)(2)]
  - (c) The date the storage vessel was emptied or the nature of and date the repair was made. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(a)(3)]

- (2) If any of the conditions described in Condition I.B.1.b(5) of this permit are detected during the visual inspection when each storage vessel is emptied and degassed, a report shall be furnished to the Office of Air Resources within 30 days of the inspection. The report shall include: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(b), 40 CFR 63.428(g)(2)]
- (a) The identity of the storage vessel; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(b)(1)]
- (b) The nature of any defects identified; and, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(b)(2)]
- (c) A list of each repair made. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(4)(b)(3)]
- (3) The permittee shall notify the Office of Air Resources, in writing at least 30 days prior to the filling or refilling of each storage vessel following emptying and degassing, to afford the Office of Air Resources the opportunity to inspect the storage vessel prior to refilling. If the emptying and degassing of the storage vessel is not planned and the permittee could not have known about the emptying and degassing 30 days in advance of refilling the vessel, the permittee shall notify the Office of Air Resources 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 emptying and degassing 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 Office of Air Resources at least 7 days prior to the refilling. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(B)(2)(f), 40 CFR 63.425(d)]

## **2. Requirements for Emission Units: T001, T002, T003, T005, T006, T007, T008, T7565 and T7591**

The following Requirements are applicable to:

- Emission unit T001, which is a 3,279,360-gallon Petroleum Liquid/Biodiesel Storage Tank. T001 was installed in 1923 and is equipped with a Vertical Fixed Roof.
- Emission unit T002, which is a 10,206,252-gallon Petroleum Liquid//Biodiesel Storage Tank. T002 was installed in 1957 and is equipped with a Vertical Fixed Roof.
- Emission unit T003, which is a 6,185,780-gallon Petroleum Liquid/Biodiesel Storage Tank. T003 is equipped with a Vertical Fixed Roof.
- Emission units T005 which is a 1,039,458-gallon Petroleum Liquid/Biodiesel Storage Tank. T005 is equipped with a Vertical Fixed Roof.
- Emission unit T006, which is a 974,358-gallon Petroleum Liquid/Biodiesel Storage Tank. T006 is equipped with a Vertical Fixed Roof.



- Emission unit T007, which is a 1,061,088-gallon Petroleum Liquid/Biodiesel Storage Tank. T007 is equipped with a Vertical Fixed Roof.
- Emission unit T008, which is a 1,066,002-gallon Petroleum Liquid/Biodiesel Storage Tank. T008 is equipped with a Vertical Fixed Roof.
- Emission unit T7565, which is a 1,977,234-gallon Petroleum Liquid/Biodiesel Storage Tank. T7565 is equipped with a Vertical Fixed Roof.
- Emission unit T7591, which is a 2,008,524-gallon Petroleum Liquid/Biodiesel Storage Tank. T7591 is equipped with a Vertical Fixed Roof.

**a. Recordkeeping Requirements**

The permittee shall, on a monthly basis, no later than 15 days after the first of the month, determine the total quantity of distillate fuel oil loaded into the distillate fuel oil storage tanks for that month. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(7)]

**C. Generators/Fire Pumps**

**1. Requirements for Emission Unit G001**

The following requirements are applicable to:

- Emission unit G001, which is a 575 HP John Deere Internal Combustion Engine, Model No. JX6H-UF70 (1760), which burns diesel fuel oil. G001 is an emergency/standby fire pump.

**a. Emission Limitations**

(1) Opacity

The permittee shall not emit into the atmosphere, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [250-RICR-120-05-1.6] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [250-RICR-120-05-1.8]

(2) Sulfur Oxides

The sulfur content of any liquid fuel burned in G001 shall not exceed .0015 percent sulfur by weight (15 ppm). [250-RICR-120-05-8.6(A)(1), 40 CFR 60.4207(b)]

**b. Operating Requirements**

- (1) G001 shall not operate more than 500 hours in any 12-month period. [40 CFR 60.4211(f)(1), 250-RICR-120-05-27.6(C), 250-RICR-120-05-43.8.1(A)]

- (2) The permittee shall operate G001 according to the requirements in Conditions (2)(a-b) of this subsection. In order for G001 to be considered an emergency generator, any operation other than emergency operation, maintenance and testing, and emergency demand response, as described in Conditions (1-2)(a-b) of this subsection, is prohibited. If the permittee does not operate G001 according to the requirements in Conditions (2)(a-b) of this subsection, G001 will not be considered an emergency engine and must meet all requirements for non-emergency engines as specified under 40 CFR Part 60 Subpart III. [40 CFR 60.4211(f)]
- (a) The permittee may operate G001 for any combination of the purposes specified in Condition (2)(a)(i) of this subsection for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Condition (2)(b) of this subsection counts as part of the 100 hours per calendar year allowed by Condition (2)(a)(i) of this subsection. <sup>1</sup> [40 CFR 60.4211(f)(2)]
- (i) G001 may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor or the insurance company associated with the emergency engines listed in this section. Maintenance checks and readiness testing of such units is limited to 100 hours per year. Anyone may petition the RI Office of Air Resources and USEPA for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of G001 beyond 100 hours per year. G001 shall only be used for emergency operation, maintenance and testing. [40 CFR 60.4211(f)(2)(i)]
- (b) Each emergency generator listed in this section may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Condition (2)(a) of this subsection. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4211(f)(3)]
- (3) The permittee shall do all of the following: [40 CFR 60.4211(a)]

---

<sup>1</sup> Be advised that on May 4, 2016, the U.S. Court of Appeals for the D.C. Circuit **vacated** the provisions of 40 CFR 60, Subpart III – “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines”, which allowed emergency engines to operate for up to 100 hours for emergency demand response when the Reliability Coordinator has declared an Energy Emergency Alert Level 2 or for voltage or frequency deviations of 5 percent or greater below standard voltage or frequency. Specifically, the provisions in 40 CFR 60.4211(f)(2)(ii)-(iii) were vacated. Therefore, if you plan to operate your emergency generator to address voltage or frequency deviations or in emergency demand response, you must apply for a modification to your minor source permits to allow the units to be operated in non-emergency situations.

- (a) Operate and maintain G001 and control device (if any) according to the manufacturer's emission-related written instructions; [40 CFR 60.4211(a)(1)]
  - (b) Change only those emission-related settings that are permitted by the manufacturer; and [40 CFR 60.4211(a)(2)]
  - (c) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you. [40 CFR 60.4211(a)(3)]
- (4) If the permittee does not install, configure, operate, and maintain G001 and control device (if any) according to the manufacturer's emission-related written instructions, or if the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows: [40 CFR 60.4211(g)]
- (a) The permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate G001 in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the permittee changes emission-related settings in a way that is not permitted by the manufacturer. The permittee shall conduct subsequent performance testing every 8,760 hours of engine operation for 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards. [40 CFR 60.4211(g)(3)]
- (5) The permittee must operate and maintain G001 to achieve the emission standards as required in §60.4205 over the entire life of the engine. [40 CFR 60.4206]
- (6) G001 shall be used only during emergencies or for maintenance or testing purposes. Emergency means an electric power outage due to a failure of the electrical grid, on-site disaster, local equipment failure, or public service emergencies such as flood, fire, or natural disaster. [250-RICR-120-05-43.5(A)(5)]
- (7) G001 shall not be operated in conjunction with any voluntary demand-reduction program or any other interruptible power supply arrangement with a utility, other market participant or system operator. [250-RICR-120-05-43.8.1(B)]

**c. Testing Requirements**

- (1) Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.C.1.a(1) of this permit shall be performed as per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [250-RICR-120-05-1.7(A-B)]

(2) Sulfur Oxides

Compliance with the sulfur limitations contained in Condition I.C.1.a(2) of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit [250-RICR-120-05-29.10(C)(1)(b)]

**d. Continuous Monitoring**

G001 shall be equipped with a non-resettable elapsed time meter to indicate, in cumulative hours, the elapsed engine operating time for the unit. [250-RICR-120-05-27.10.(J)(1), 250-RICR-120-05-43.11.1, 40 CFR 60.4209(a)]

**e. Recordkeeping Requirements**

The permittee shall, on a monthly basis, no later than 5 days after the first of each month, determine and record the hours of operation and fuel use for G001 for the previous 12-month period. [250-RICR-120-05-27.10(J)(2), 250-RICR-120-05-43.12.1(A)]

**f. Reporting Requirements**

The permittee shall notify the Office of Air Resources, in writing, whenever the hours of operation in any 12-month period exceeds 500 hours for G001. [250-RICR-120-05-27.10(J)(3), 250-RICR-120-05-43.12.1(B)]

**g. Other Requirements**

The permittee is subject to the requirements of 40 CFR 60, Subpart A (General Provisions) and Subpart IIII (Standards of Performance for Stationary Compression Internal Combustion Engines) for the emission units in Section I.C.1 of this permit. Compliance with all applicable provisions therein is required. [40 CFR 60.4218]

**D. Facility Requirements**

**1. Operating Requirements**

a. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(a)(1-4), 40 CFR 63.424(g)(1-4)]

- (1) Minimize gasoline spills;
- (2) Clean up spills as expeditiously as practicable;
- (3) Cover all open gasoline containers with a gasketed seal when not in use;
- (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

- b. The total quantity of ethanol loaded into tank trucks and marine tank vessels shall not exceed 229,950,000-gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(b)]
- c. At all times, including periods of startup, shutdown, and malfunction, the permittee must operate and maintain this source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the permittee reduce emissions from the source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the permittee to achieve emission levels that would be required by this permit at other times if this is not consistent with safety and good air pollution control practices, nor does it require the permittee to make any further efforts to reduce emissions if levels required by this permit have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Office of Air Resources or USEPA which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan, review of operation and maintenance records, and inspection of the source. [40 CFR 60.11(d), 40 CFR 63.6(e)(1)(i), Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(9), Approval Nos. 1879 & 1995(A)(7)(e)]
- d. Malfunctions shall be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, the permittee must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(c), 40 CFR 63.6(e)(1)(ii)]
- e. Operation and maintenance requirements established in this permit are enforceable independent of emissions limitations or other requirements. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(d), 40 CFR 63.6(e)(1)(iii)]
- f. Startup, Shutdown and Malfunction Plan
  - (1) The permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process, air pollution control and monitoring equipment used to comply with 40 CFR 63, Subpart R. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(1), 40 CFR 63.6(e)(3)(i)]
  - (2) The startup, shutdown, and malfunction plan does not need to address any scenario that would not cause the source to exceed an applicable emission limitation in 40 CFR 63, Subpart R. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(2), 40 CFR 63.6(e)(3)(i)]

- (3) This plan shall be developed by the permittee by December 15, 1997. The plan is incorporated by reference into this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(3), 40 CFR 63.6(e)(3)(i)]
- (4) The purpose of the startup, shutdown, and malfunction plan is to --
  - (a) Ensure that, at all times, the permittee operates and maintains the source, including associated air pollution control and monitoring equipment, in a manner which satisfies the general duty to minimize emissions established in Condition (c) of this subsection; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(4)(a), 40 CFR 63.6(e)(3)(i)(A)]
  - (b) Ensure that the permittee is prepared to correct malfunctions as soon as practicable after their occurrence in order to minimize excess emissions of hazardous air pollutants; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(4)(b), 40 CFR 63.6(e)(3)(i)(B)]
  - (c) Reduce the reporting burden associated with periods of startup, shutdown, and malfunction (including corrective action taken to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(4)(c), 40 CFR 63.6(e)(3)(i)(C)]
- (5) To satisfy the requirements of this permit to develop a startup, shutdown, and malfunction plan, the permittee may use the source's standard operating procedures (SOP) manual, or an Occupational Safety and Health Administration (OSHA) or other plan, provided the alternative plans meet all the requirements of this section and are made available for inspection or submitted when requested by the Office of Air Resources or USEPA. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(5), 40 CFR 63.6(e)(3)(vi)]
- (6) Based on the results of a determination made under Condition (c) of this subsection, the Office of Air Resources or USEPA may require that the permittee make changes to the startup, shutdown, and malfunction plan. The Office of Air Resources or USEPA must require appropriate revisions to a startup, shutdown, and malfunction plan, if it finds that the plan: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(6), 40 CFR 63.6(e)(3)(vii)]
  - (a) Does not address a startup, shutdown, or malfunction event that has occurred; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(6)(a), 40 CFR 63.6(e)(3)(vii)(A)]
  - (b) Fails to provide for the operation of the source (including associated air pollution control and monitoring equipment) during a startup, shutdown, or

malfunction event in a manner consistent with the general duty to minimize emissions established in Condition (c) of this subsection; or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(6)(b), 40 CFR 63.6(e)(3)(vii)(B)]

- (c) Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control and monitoring equipment as quickly as practicable; or [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(6)(c), 40 CFR 63.6(e)(3)(vii)(C)]
  - (d) Includes an event that does not meet the definition of startup, shutdown or malfunction listed in 40 CFR 63.2. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(6)(d), 40 CFR 63.6(e)(3)(vii)(D)]
- (7) The permittee may periodically revise the startup, shutdown and malfunction plan as necessary to satisfy the requirements of this part or to reflect changes in equipment or procedures at facility. The permittee may make such revisions to the startup, shutdown and malfunction plan without prior approval. However, each such revision to the startup, shutdown and malfunction plan must be reported in the semiannual report required by Condition I.D.4.d of this permit. If the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the permittee developed the plan, the permittee shall revise the startup, shutdown, and malfunction plan within 45 days after the event to include detailed procedures for operating and maintaining the source during similar malfunction events and a program of corrective action for similar malfunctions of process or air pollution control and monitoring equipment. In the event that the permittee makes any revision to the startup, shutdown and malfunction plan which alters the scope of the activities at the source which are deemed to be a startup, shutdown, or malfunction, or otherwise modifies the applicability of any emission limit, work practice requirement, or other requirement in 40 CFR 63, Subpart R, the revised plan shall not take effect until after the permittee has provided a written notice describing the revision to the Office of Air Resources. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(1)(e)(7), 40 CFR 63.6(e)(3)(viii)]
- g. The permittee may seek to establish that a malfunction of C001 and C003-VCU1 that would result in noncompliance with any of the terms of this permit or any other applicable air pollution control rules and regulations was due to unavoidable increases in emissions attributable to the malfunction. To do so, the permittee must demonstrate to the Office of Air Resources that: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)]
- (1) The malfunction was not attributable to improperly design of C001 and/or C003-VCU1, lack of preventative maintenance, careless or improper operation, or operator error; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(a)]

- (2) The malfunction was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(b)]
- (3) Repairs necessary to bring C001 and/or C003-VCU1 back to operating at its design control efficiency were performed in an expeditious fashion. Off-shift labor and overtime should be utilized, to the extent practicable, to ensure that such repairs were completed as expeditiously as practicable. Any parts or material needed should be shipped overnight where possible or practical. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(c)]
- (4) All possible steps were taken to minimize emissions during the period of time that the repairs were performed. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(d)]
- (5) Emissions during the period of time that the repairs were performed will not: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(e)]
  - (a) Cause an increase in the ground level ambient concentration at or beyond the property line in excess of that allowed by 250-RICR-120-05 Part 22 and any Calculated Acceptable Ambient Levels; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(e)(1)]
  - (b) Cause or contribute to air pollution in violation of any applicable state or national ambient air quality standard. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(e)(2)]
- (6) The reasons that it would be impossible or impractical to cease the source operation of P001 during said period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(D)(1)(f)]

This demonstration must be provided to the Office of Air Resources, in writing, within two working days of the time when the malfunction occurred and contain a description of the malfunction, any steps taken to minimize emissions and corrective actions taken.

The permittee shall have the burden of proof in seeking to establish that noncompliance was due to unavoidable increases in emissions attributable to the malfunction.

## **2. Monitoring Requirements**

- a. The permittee shall perform a monthly leak inspection of all equipment in gasoline and/or ethanol service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece of equipment that is in gasoline and/or ethanol service shall be inspected during the loading of a gasoline cargo tank. Each piece of equipment that is in only ethanol service shall be inspected during the loading of an ethanol cargo tank. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(2)(a), 40 CFR 63.424(a)]



- b. A log book shall be used and shall be signed by the permittee at the completion of each inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline and/or ethanol service at the facility. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(2)(b), 40 CFR 63.424(b)]
- c. 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 as provided in Condition (4) of this subsection. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(2)(c), 40 CFR 63.424(c)]
- d. Delay of repair of leaking equipment will be allowed upon a demonstration to the Office of Air Resources that repair within 15 days is not feasible. The permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(2)(d), 40 CFR 63.424(d)]
- e. As an alternative to compliance with the provisions in Conditions (a-e) of this subsection, the permittee may implement an instrument leak-monitoring program that has been demonstrated to the Office of Air Resources as at least equivalent. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(2)(e), 40 CFR 63.424(f)]

### **3. Recordkeeping Requirements**

- a. The permittee, to comply with the provisions of Condition I.D.2.a-d shall record the following information in the logbook for each leak that is detected: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a), 40 CFR 63.428(e), 40 CFR 60.505(c)]
  - (1) The equipment type and identification number, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(1), 40 CFR 63.428(e)(1)]
  - (2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell), [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(2), 40 CFR 63.428(e)(2)]
  - (3) The date the leak was detected and the date of each attempt to repair the leak, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(3), 40 CFR 63.428(e)(3)]
  - (4) Repair methods applied in each attempt to repair the leak, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(4), 40 CFR 63.428(e)(4)]
  - (5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak, [Approval Nos. 377, 838, 1066, 1472-1476,

1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(5), 40 CFR 63.428(e)(5)]

- (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days, and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(6), 40 CFR 63.428(e)(6)]
  - (7) The date of successful repair of the leak. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(a)(7), 40 CFR 63.428(e)(7)]
- b. The permittee shall maintain, for the facility, records of monthly throughput quantities of gasoline, gasoline blending stocks, off-spec gasoline, dimate, aviation gasoline, gasoline-additives, distillate fuel oil, and ethanol. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(b), 250-RICR-120-05-29.10(C)(1)(b)]
- c. The permittee shall, on a monthly basis, no later than 15 days after the first of the month, determine the following: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)]
- (1) The total quantity of gasoline loaded into tank trucks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(1)]
  - (2) The total quantity of aviation gasoline loaded into tank trucks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(2)]
  - (3) The total quantity of distillate fuel oil loaded into tank trucks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(3)]
  - (4) The total quantity of ethanol loaded into tank trucks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(4)]
  - (5) The total quantity of gasoline, gasoline blending stocks, off-spec gasoline, and dimate loaded into the gasoline storage tanks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(5)]
  - (6) The total quantity of aviation gasoline loaded into storage tanks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(6)]
  - (7) The total quantity of distillate fuel oil loaded into the distillate fuel oil storage tanks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(7)]

- (8) The total quantity of ethanol loaded into storage tanks for that month. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)(8)]

The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(c)]

d. The permittee shall maintain records of:

- (1) The occurrence and duration of each startup or shutdown when the startup or shutdown causes an exceedance of any applicable emission limitation in this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(1), 40 CFR 63.10(b)(2)(i), 40 CFR 63.6(e)(3)(iii)]
- (2) The occurrence and duration of each malfunction of operation (i.e. process equipment) or the required air pollution control and monitoring equipment; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(2), 40 CFR 63.10(b)(2)(ii); 40 CFR 63.6(e)(3)(iii)]
- (3) All maintenance performed on the air pollution control and monitoring equipment; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(3), 40 CFR 63.10(b)(2)(iii)]
- (4) Actions taken by the permittee during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation), or malfunction (including actions taken to correct a malfunction) when such actions are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan. The permittee must keep records for that event which demonstrate that the procedures specified in the plan were followed. These records may take the form of a "checklist," or other effective form of recordkeeping that confirms conformance with the startup, shutdown, and malfunction plan and describes the actions taken for that event. Furthermore, the permittee shall confirm that actions taken during the relevant reporting period during periods of startup, shutdown, and malfunction were consistent with the source's startup, shutdown and malfunction plan in the semiannual (or more frequent) startup, shutdown, and malfunction report required in Condition I.D.4.d of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(4), 40 CFR 63.6(e)(3)(iii)]
- (5) Actions taken during periods of startup or shutdown when the source exceeded applicable emission limitations in this permit and when the actions taken are different from the procedures specified in the startup, shutdown and malfunction plan. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(5), 40 CFR 63.10(b)(2)(iv)(A); 40 CFR 63.6(e)(3)(iv)]
- (6) Actions taken during periods of malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to is

normal or usual manner of operation) when the actions taken are different from the procedures specified in the startup, shutdown and malfunction plan. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(6), 40 CFR 63.10(b)(2)(iv)(B); 40 CFR 63.6(e)(3)(iv)]

- (7) All information necessary, including actions taken, to demonstrate conformance with the startup, shutdown, and malfunction plan when all actions taken during periods of startup or shutdown, (and the startup or shutdown causes an exceedance of any applicable emission limitation in this permit), and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. (The information needed to demonstrate conformance with the startup, shutdown, and malfunction plan may be recorded using a "checklist," or some other effective form of recordkeeping, in order to minimize the recordkeeping burden for conforming events); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(7), 40 CFR 63.10(b)(2)(v); 40 CFR 63.6(e)(3)(iii)]
- (8) Each period during which a CMS is malfunctioning or inoperative (including out-of-control periods); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(8), 40 CFR 63.10(b)(2)(vi)]
- (9) All required measurements needed to demonstrate compliance with a relevant standard (including, but not limited to, 15-minute averages of CMS data, raw performance testing measurements, and raw performance evaluation measurements, that support data that the source is required to report); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(9), 40 CFR 63.10(b)(2)(vii)]
  - (a) In lieu of maintaining a file of all CEMS sub hourly measurements as required under Condition (d)(9) of this subsection, the permittee shall retain the most recent consecutive three averaging periods of sub-hourly measurements and a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(9)(a), 40 CFR 63.10(b)(2)(vii)(A)]
  - (b) The Office of Air Resources or USEPA, upon notification to the permittee, may require the permittee to maintain all measurements as required by Condition (d)(9) of this subsection, if the Office of Air Resources or USEPA determines these records are required to more accurately assess the compliance status of the affected source. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(9)(b), 40 CFR 63.10(b)(2)(vii)(C)]
- (10) All results of performance tests and CMS performance evaluations; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(10), 40 CFR 63.10(b)(2)(viii)]

- (11) All measurements as may be necessary to determine the conditions of performance tests and performance evaluations; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(11), 40 CFR 63.10(b)(2)(ix)]
  - (12) All CMS calibration checks; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(12), 40 CFR 63.10(b)(2)(x)]
  - (13) All adjustments and maintenance performed on the CMS; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(13), 40 CFR 63.10(b)(2)(xi)]
  - (14) All documentation supporting initial notifications and notifications of compliance status under 40 CFR Part 63.9. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(d)(14), 40 CFR 63.10(b)(2)(xiv)]
- e. The permittee shall maintain the following records for the CMS:
- (1) All required CMS measurements (including monitoring data recorded during unavoidable CMS breakdowns and out-of-control periods); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(1), 40 CFR 63.10(c)(1)]
  - (2) The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(2), 40 CFR 63.10(c)(5)]
  - (3) The date and time identifying each period during which the CMS was out of control, as defined in Condition I.A.1.c(7)(e) of this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(3), 40 CFR 63.10(c)(6)]
  - (4) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances that occurs during startups, shutdowns, and malfunctions of the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(4), 40 CFR 63.10(c)(7)]
  - (5) The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances that occurs during periods other than startups, shutdowns, and malfunctions of the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(5), 40 CFR 63.10(c)(8)]
  - (6) The nature and cause of any malfunction (if known); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(6), 40 CFR 63.10(c)(10)]

- (7) The corrective action taken or preventive measures adopted; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(7), 40 CFR 63.10(c)(11)]
  - (8) The nature of the repairs or adjustments to the CEMS that was inoperative or out of control; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(8), 40 CFR 63.10(c)(12)]
  - (9) The total process operating time during the reporting period; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(9), 40 CFR 63.10(c)(13)]
  - (10) All procedures that are part of a quality control program developed and implemented for CMS under Condition I.A.1.c(6) of this permit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(10), 40 CFR 63.10(c)(14)]
  - (11) In order to satisfy the requirements of Conditions (e)(6-8) of this subsection and to avoid duplicative recordkeeping efforts, the permittee may use the startup, shutdown, and malfunction plan or records kept to satisfy the recordkeeping requirements of the startup, shutdown, and malfunction plan, specified in Section I.D.1.f of this permit, provided that such plan and records adequately address the requirements in Conditions (e)(6-8) of this subsection. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(e)(11), 40 CFR 63.10(c)(15)]
- f. The permittee must maintain at the facility a current startup, shutdown, and malfunction plan and must make the plan available upon request for inspection and copying by the Office of Air Resources or USEPA. In addition, if the startup, shutdown, and malfunction plan is subsequently revised as provided in Condition I.D.1.f(7), of this permit, the permittee must maintain at the facility each previous (i.e., superseded) version of the startup, shutdown, and malfunction plan, and must make each such previous version available for inspection and copying by the Office of Air Resources or USEPA for a period of 5 years after revision of the plan. If at any time after adoption of a startup, shutdown, and malfunction plan the source ceases operation or is otherwise no longer subject to the provisions of 40 CFR 63, Subpart R, the permittee must retain a copy of the most recent plan for 5 years from the date the source ceases operation or is no longer subject 40 CFR 63, Subpart R and must make the plan available upon request for inspection and copying by the Office of Air Resources or USEPA. The Office of Air Resources or USEPA may at any time request in writing that the permittee submit a copy of any startup, shutdown, and malfunction plan (or a portion thereof) which is maintained at the facility or in the possession of the permittee. Upon receipt of such a request, the permittee must promptly submit a copy of the requested plan (or a portion thereof) to the Office of Air Resources or USEPA. The permittee may elect to submit the required copy of any startup, shutdown, and malfunction plan to the Office of Air Resources or USEPA in an electronic format. If the permittee claims that any portion of such a startup, shutdown, and malfunction plan is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40 CFR 2.301, the material which is claimed as confidential must be

clearly designated in the submission. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(3)(f), 40 CFR 63.6(e)(3)(v)]

#### 4. Reporting Requirements

- a. The permittee shall include in a semiannual report to the USEPA and Office of Air Resources the following information: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(a), 40 CFR 63.428(g)]
  - (1) Each loading of a gasoline tank truck for which vapor tightness documentation had not been previously obtained by the facility, [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(a)(1), 40 CFR 63.428(g)(1)]
  - (2) The number of equipment leaks not repaired within 5 days after detection. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(a)(2), 40 CFR 63.428(g)(3)]
- b. The permittee shall notify the Office of Air Resources of any record showing noncompliance with the terms of this permit or any other air pollution control rule or regulation applicable to the facility by sending a copy of the record to the Office of Air Resources within 30 days after discovery. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(b)]
- c. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of this permit or any other applicable air pollution control rules and regulations. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(c)]
- d. Startup, shutdown, and malfunction reports.
  - (1) If actions taken by the permittee during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in this permit) or malfunction (including actions taken to correct a malfunction) are consistent with the procedures specified in the startup, shutdown, and malfunction plan, the permittee shall state such information in a startup, shutdown, and malfunction report. Actions taken to minimize emissions during such startups, shutdowns, and malfunctions shall be summarized in the report and may be done in checklist form; if actions taken are the same for each event, only one checklist is necessary. Such a report shall also include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. Reports shall only be required if a startup or shutdown caused an exceedance of any applicable emission limitation in this permit, or if a malfunction occurred during the reporting period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(d)(1), 40 CFR 63.10(d)(5)(i)]

- (2) The startup, shutdown, and malfunction report shall consist of a letter, containing the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, that shall be submitted to the Office of Air Resources and USEPA semiannually. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(d)(2), 40 CFR 63.10(d)(5)(i)]
  - (3) The startup, shutdown, and malfunction report shall be delivered or postmarked by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(d)(3), 40 CFR 63.10(d)(5)(i)]
  - (4) The startup, shutdown, and malfunction reports may be submitted simultaneously with the excess emissions and continuous monitoring system performance (or other) reports. If startup, shutdown, and malfunction reports are submitted with excess emissions and continuous monitoring system performance (or other periodic) reports, and the permittee receives approval to reduce the frequency of reporting for the latter under 40 CFR 63.10(e)(3), the frequency of reporting for the startup, shutdown, and malfunction reports also may be reduced if the Office of Air Resources and the USEPA do not object to the intended change. The procedures to implement the allowance in the preceding sentence shall be the same as the procedures specified in 40 CFR 63.10(e)(3). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(d)(4), 40 CFR 63.10(d)(5)(i)]
- e. Any time an action taken by the permittee during a startup or shutdown that caused the source to exceed any applicable emission limitation, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the source's startup, shutdown, and malfunction plan, the permittee shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph shall consist of a telephone call (or facsimile (FAX) transmission) to the Office of Air Resources and USEPA within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions in conformance with Condition I.D.1.c of this permit. Notwithstanding the requirements of the previous sentence, the permittee may make alternative reporting arrangements, in advance, with the Office of Air Resources. Procedures governing the arrangement of alternative reporting requirements under this paragraph are specified in 40 CFR 63.9(i). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(e), 40 CFR 63.10(d)(5)(ii); 40 CFR 63.6(e)(3)(iv)]
- f. Excess Emissions and Continuous Monitoring System Performance Reports and Summary Reports



- (1) The permittee shall submit an excess emissions and continuous monitoring system performance report and/or a summary report to the Office of Air Resources and USEPA semiannually, except when the Office of Air Resources or USEPA determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(1), 40 CFR 63.10(e)(3)(i)]
- (2) Requests to reduce the frequency of excess emissions and continuous monitoring system performance reports shall follow the procedures in 40 CFR 63.10(e)(3)(ii)-(iv). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(2), 40 CFR 63.10(e)(3)(ii)-(iv)]
- (3) All excess emissions and monitoring system performance reports and all summary reports, if required, shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(3), 40 CFR 63.10(e)(3)(v)]
- (4) All excess emissions and continuous monitoring system performance reports shall contain: Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4),
  - (a) The name, title, and signature of the responsible official who is certifying the accuracy of the report. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(a), 40 CFR 63.10(e)(3)(v)]
  - (b) When no excess emissions or exceedances of a parameter have occurred, or a CMS has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(b), 40 CFR 63.10(e)(3)(v)]
  - (c) The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(c), 40 CFR 63.10(c)(5); 40 CFR 63.10(e)(3)(v)]
  - (d) The date and time identifying each period during which the CMS was out of control as defined in condition I.A.1.c(7)(e). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(d), 40 CFR 63.10(c)(6); 40 CFR 63.8(c)(8); 40 CFR 63.10(e)(3)(v)]
  - (e) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances that occurs during startups, shutdowns, and malfunctions of the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844,

1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(e), 40 CFR 63.10(c)(7); 40 CFR 63.10(e)(3)(v)]

- (f) The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances that occurs during periods other than startups, shutdowns, and malfunctions of the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(f), 40 CFR 63.10(c)(8); 40 CFR 63.10(e)(3)(v)]
- (g) The nature and cause of any malfunction (if known); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(g), 40 CFR 63.10(c)(10); 40 CFR 63.10(e)(3)(v)]
- (h) The corrective action taken or preventive measures adopted; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(h), 40 CFR 63.10(c)(11); 40 CFR 63.10(e)(3)(v)]
- (i) The nature of the repairs or adjustments to the CMS that was inoperative or out of control; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(i), 40 CFR 63.10(c)(12); 40 CFR 63.10(e)(3)(v)]
- (j) The total process operating time during the reporting period; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(j), 40 CFR 63.10(c)(13); 40 CFR 63.10(e)(3)(v)]
- (k) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under Condition I.A.1.d(1)(i) of this permit. The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing system or the CEMS. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(k), 40 CFR 63.428(h)(1), 40 CFR 63.10(e)(3)(v)]
- (l) Each instance of a non-vapor-tight gasoline tank truck loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(l), 40 CFR 63.428(h)(2), 40 CFR 63.10(e)(3)(v)]
- (m) Each reloading of a non-vapor-tight gasoline tank truck at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with Condition I.A.1.b(8)(f) of this permit [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(m), 40 CFR 63.428(h)(3), 40 CFR 63.10(e)(3)(v)]

- (n) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(4)(n)(i-iv), 40 CFR 63.428(h)(4), 40 CFR 63.10(e)(3)(v)]
  - (i) The date on which the leak was detected,
  - (ii) The date of each attempt to repair the leak,
  - (iii) The reasons for the delay of repair, and
  - (iv) The date of successful repair.
  
- (5) All summary reports shall be entitled "Summary Report -- Excess Emission and Continuous Monitoring System Performance" and shall contain the following information: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)]
  - (a) The company name and address; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(a), 40 CFR 63.10(e)(3)(vi)(A)]
  - (b) An identification of each hazardous air pollutant monitored at the source; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(b), 40 CFR 63.10(e)(3)(vi)(B)]
  - (c) The beginning and ending dates of the reporting period; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(c), 40 CFR 63.10(e)(3)(vi)(C)]
  - (d) A brief description of the process units; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(d), 40 CFR 63.10(e)(3)(vi)(D)]
  - (e) The emission and operating parameter limitations; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(e), 40 CFR 63.10(e)(3)(vi)(E)]
  - (f) The monitoring equipment manufacturer(s) and model number(s); [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(f), 40 CFR 63.10(e)(3)(vi)(F)]
  - (g) The date of the latest CMS certification or audit; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(g), 40 CFR 63.10(e)(3)(vi)(G)]

- (h) The total operating time of the source during the reporting period; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(h), 40 CFR 63.10(e)(3)(vi)(H)]
- (i) An emission data summary and a similar summary for control system operating parameters, including the total duration of excess emissions during the reporting period (recorded in hours), the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to startup/shutdown, control equipment problems, process problems, other known causes, and other unknown causes; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(i), 40 CFR 63.10(e)(3)(vi)(I)]
- (j) A CMS performance summary and similar summary for control system operating parameters, including the total CMS downtime during the reporting period (recorded in hours), the total duration of CMS downtime expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total CMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(j), 40 CFR 63.10(e)(3)(vi)(J)]
- (k) A description of any changes in CMS, processes, or controls since the last reporting period; [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(k), 40 CFR 63.10(e)(3)(vi)(K)]
- (l) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(l), 40 CFR 63.10(e)(3)(vi)(L)]
- (m) The date of the report. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(5)(m), 40 CFR 63.10(e)(3)(vi)(M)]
- (6) If the total duration of excess emissions or process or control system parameter exceedances for the reporting period is less than 1 percent of the total operating time for the reporting period, and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report shall be submitted, and the full excess emissions and continuous monitoring system performance report need not be submitted unless required by the Office of Air Resources or USEPA. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(6), 40 CFR 63.10(e)(3)(vii)]

- (7) If the total duration of excess emissions or process or control system parameter exceedances for the reporting period is 1 percent or greater of the total operating time for the reporting period, or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, both the summary report and the excess emissions and continuous monitoring system performance report shall be submitted. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(f)(7), 40 CFR 63.10(e)(3)(viii)]
- g. The permittee shall furnish the USEPA and Office of Air Resources a copy of a written report of the results of the CEMS performance evaluation simultaneously with the results of any performance test required under 40 CFR Part 63.7. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(g), 40 CFR 63.10(e)(2)(i)]
- h. The permittee shall notify the Office of Air Resources in writing, within 15 days after discovery, whenever any of the following occurs: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h), 250-RICR-120-05-29.10(C)(1)(b)]
- (1) The total quantity of gasoline, excluding aviation gasoline, loaded into tank trucks exceeds 766,500,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h)(1), 250-RICR-120-05-29.10(C)(1)(b)]
  - (2) The total quantity of gasoline, excluding aviation gasoline, loaded into tank trucks exceeds 2,800,000 gallons in any 24-hour period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h)(2), 250-RICR-120-05-29.10(C)(1)(b)]
  - (3) The total quantity of gasoline, excluding aviation gasoline, loaded into tank trucks exceeds 700,000 gallons in any 4-hour period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h)(3), 250-RICR-120-05-29.10(C)(1)(b)]
  - (4) The total quantity of aviation gasoline loaded into tank trucks exceeds 5,000,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h)(4), 250-RICR-120-05-250-RICR-120-05-29.10(C)(1)(b)]
  - (5) The total quantity of distillate fuel oil loaded into tank trucks exceeds 298,000,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(h)(5), 250-RICR-120-05-29.10(C)(1)(b)]
  - (6) The total quantity of ethanol loaded into tank trucks and marine tank vessels exceeds 229,950,000 gallons in any 12-month period. [Approval Nos. 377, 838, 1066, 1472-

## 5. Other Requirements

- a. To the extent consistent with the requirements of this permit and applicable Federal and State laws, the facility shall be designed, constructed, and operated in accordance with the representation of the facility in the permit application. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(1)]
- b. The facility is subject to the requirements of Petroleum Liquids Marketing and Storage, 250-RICR-120-05-11. If there is any conflict between any term or condition of this permit and the applicable provisions of 250-RICR-120-05-11, the permittee shall comply with the term or condition of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(2)]
- c. The facility is subject to the requirements of the following Federal National Emission Standards for Hazardous Air Pollutants for Source Categories: [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(3)]
  - (1) 40 CFR 63.1 - 15, Subpart A, "General Provisions", as indicated in Table 1 to Subpart R of 40 CFR 63. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(3)(a)]
  - (2) 40 CFR 63.420 - 429, Subpart R, "National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)". [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(3)(b)]
- d. The facility is subject to the requirements of the following Federal New Source Performance Standards:
  - (1) 40 CFR 60 Subpart A "General Provisions" [Approval Nos. 1843-1844(E)(c)(1), Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(4)(a)]
  - (2) 40 CFR 60 Subpart Kb "Standards of Performance for Volatile Organic Liquid Storage Vessels for which Construction, Reconstruction or Modification Commenced After July 23, 1984". [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(4)(b)]
  - (3) 40 CFR 60.500 Subpart XX "Standards of Performance for Bulk Gasoline Terminals" [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(4)(c)]

Compliance with all applicable provisions therein is required, unless otherwise stated in this permit.

- e. Except as provided in Condition (f) of this subsection the permittee shall not store, sell or supply as fuel, at or from this facility, a gasoline having a Reid Vapor Pressure greater than 9.0 pounds per square inch, during the period of 1 May through 15 September of each year. Sampling and testing of gasoline shall be in accordance with ASTM Method D323-15a “Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method),” or any equivalent method approved by the Office of Air Resources and USEPA. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(6), 250-RICR-120-05-11.11(A)(1), 11.11(C)]
- f. The permittee shall not store, sell or supply as fuel, at or from this facility, a gasoline - ethanol blend (containing at least 9% ethanol) having a Reid Vapor Pressure greater than 10.0 pounds per square inch, during the period of 1 May through 15 September of each year. Sampling and testing of gasoline - ethanol blends shall be in accordance with ASTM Method D323-15a “Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method),” or any equivalent method approved by the Office of Air Resources and USEPA. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(7), 250-RICR-120-05-11.11(B)(1), 11.11(C)]
- g. The emergency venting of gasoline tank trucks shall be in accordance with the federal DOT specifications for cargo tanks and tank cars authorized to carry hazardous materials. Emergency venting shall not be considered a violation of any term or condition of Section I.A. of this permit. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(8), 250-RICR-120-05-11.7.1(D)]
- h. The methods for determining compliance with any emission standard or any design, equipment, work practice or operational emission standard in this permit, established pursuant to the requirements of 40 CFR 63, shall be based on the procedures in 40 CFR 63.6(f)(2)-(3). [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(10), 40 CFR 63.6(f)(2); 40 CFR 63.6(f)(3)]
- i. The permittee shall file a completed Air Toxics Operating Permit Application with the Office of Air Resources within 60 days of written notice from the Director. [250-RICR-120-05-22.8(B)] **Not Federally Enforceable**

## **E. Definitions**

As used throughout this permit, the following terms shall, where the context permits, be construed as follows:

"Best extent possible" means there shall be no reading at 2.5 centimeters from any potential leak source, greater than or equal to 100% of the lower explosive limit, LEL, measured as propane, as detected by a combustible gas detector using the test procedure described in Appendix B of the EPA document entitled "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems" (EPA-450/2-78-051).

"Condensate" means hydrocarbon liquid separated from natural gas that condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.

"Equipment" means each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in the gasoline liquid transfer and vapor collection systems. This definition also includes the entire vapor processing system except the exhaust port(s) or stack(s).

"Fill" means the introduction of gasoline or petroleum liquid into a storage vessel but not necessarily to complete capacity.

"Gasoline" means any petroleum distillate having a Reid vapor pressure of more than 4.0 psia as determined by ASTM Method D323. This term includes but is not limited to mixtures of alcohols and gasoline.

"Gasoline cargo tank" means a delivery tank truck or railcar which is loading gasoline, or which has loaded gasoline on the immediately previous load.

"Gasoline tank truck" means a delivery tank truck used at bulk gasoline terminals which is loading gasoline, or which has loaded gasoline on the immediately previous load.

"In gasoline service" means that a piece of equipment is used in a system that transfers gasoline or gasoline vapors.

"Liquid-mounted seal" means a primary seal mounted in continuous contact with the liquid around the circumference of the tank between the tank wall and the floating roof.

"Loading rack" means the loading arms, pumps, meters, shutoff valves, relief valves, and other piping and valves necessary to fill delivery tank trucks.

"Operating parameter value" means a value for an operating or emission parameter of the vapor processing system (e.g., temperature) which, if maintained continuously by itself or in combination with one or more other operating parameter values, determines that an owner or operator has complied with the applicable emission standard. The operating parameter value is determined using the procedures outlined in Conditions I.A.1.d(1)(i) of this permit.

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale and coal.

"Petroleum liquids" means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery whose true vapor pressure is greater than 1.52 psia (10.5 kilo pascals) at 69 °F.



"Reid vapor pressure" means the absolute vapor pressure of volatile crude oil and volatile non-viscous petroleum liquids except liquefied petroleum gases, as determined by ASTM D323-82.

"Storage vessel" means each tank, reservoir, or container used for the storage of gasoline or other petroleum liquids that have a Reid vapor pressure of 4.0 psia or less as determined by ASTM Method D323.

"Total organic compounds" means those compounds measured according to the procedures in 40 CFR 60.503(c).

"Vapor collection system" means any equipment used for containing total organic compounds vapors displaced during the loading of gasoline tank trucks.

"Vapor-mounted seal" means a primary seal mounted so there is a vapor space underneath the seal. The annular vapor space is bounded by the bottom of the primary seal, the tank wall, the liquid surface, and the floating roof.

"Vapor processing system" means all equipment used for recovering or oxidizing total organic compound vapors displaced from this facility.

"Vapor tight" means equipment that allows no loss of vapors. Equipment is considered vapor-tight if the vapor concentration at a potential leak source is not equal to or greater than 100 percent of the Lower Explosive Limit when measured with a combustible gas detector, calibrated with propane, at a distance of 1 inch from the source.

## SECTION II. GENERAL CONDITIONS

---

### **A. Annual Emissions Fee Payment**

The permittee shall pay an annual emissions fee as established in Operating Permit Fees, 250-RICR-120-05-28. [250-RICR-120-05-29.10(H)(1)(d)]

### **B. Permit Renewal and Expiration**

This permit is issued for a fixed term of 5 years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 12 months prior to the date of permit expiration. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the Office of Air Resources on the renewal application. In such an event, the permit shield in Condition II.AA of this permit shall extend beyond the original permit term until renewal. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by the Office of Air Resources any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. [250-RICR-120-05-29.8(B)(3), 29.8(F), 29.10(H)(1)(a), 29.13.4(B), 29.13.4(D)]

### **C. Transfer of Ownership or Operation**

This permit is nontransferable by the permittee. Future owners and operators must obtain a new operating permit from the Office of Air Resources. A change in ownership or operational control of this source is treated as an administrative permit 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 Office of Air Resources. [250-RICR-120-05-29.14(A)(4)]

### **D. Property Rights**

This permit does not convey any property rights of any sort, or any exclusive privilege. [250-RICR-120-05-29.10(H)(1)(c)(4)]

### **E. Submissions**

1. Reports, test data, monitoring data, notifications, and requests for renewal shall be submitted to:

RIDEM - Office of Air Resources  
Compliance Assurance Section  
235 Promenade St.  
Providence, RI 02908

2. Any records, compliance certifications and monitoring data required by the provisions of this permit to be submitted to USEPA shall be sent to:

USEPA Region 1 - New England  
Enforcement and Compliance Assurance Division  
Air Compliance Section  
Attn: Air Compliance Clerk  
5 Post Office Square  
Mail Code: 04-2  
Boston, MA 02109-3912

3. Any document submitted shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [250-RICR-120-05-29.9.1(B), 29.10(H)(1)(e)]

**F. Inspection and Entry**

1. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter this facility at all reasonable times for the purpose of: [250-RICR-120-05-29.10(H)(f)(1)]
  - a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit; [250-RICR-120-05-29.10(H)(f)(2)]
  - b. inspecting at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and [250-RICR-120-05-29.10(H)(f)(3)]
  - c. Sampling or monitoring, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. [RIGL 23-23-5(7), 250-RICR-120-05-29.10(H)(1)(f)(4), Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(E)(5), 1879 & 1995(A)(7)(d)]

Nothing in this condition shall limit the ability of the USEPA to inspect or enter the premises of the permittee under Section 114 or other provisions of the Clean Air Act.

**G. Compliance**

1. The permittee must comply with all conditions of this permit. Any noncompliance with a federally enforceable permit condition constitutes a violation of the Clean Air Act 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 designated as state only enforceable constitutes a violation of 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. [250-RICR-120-05-29.10(H)(1)(c)(1)]

2. For each unit at the facility for which an applicable requirement becomes 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. [250-RICR-120-05-29.9.1(A)(10)(c)(2)]
3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [250-RICR-120-05-29.10(H)(1)(c)(2)]

#### **H. Excess Emissions Due to an Emergency**

As the term is used in this condition an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of this source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes this source to exceed a technology-based emission limitation under this 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. [250-RICR-120-05-29.10(K)(1)(b)]

Technology-based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain a health-based air quality standard.

The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: [250-RICR-120-05-29.10(K)(1)(a), 29.10(K)(1)(c)]

1. an emergency occurred, and that the permittee can identify the cause(s) of the emergency; [250-RICR-120-05-29.10(K)(1)(c)(1)]
2. the permitted facility was at the time being properly operated; [250-RICR-120-05-29.10(K)(1)(c)(2)]
3. 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 this permit; and [250-RICR-120-05-29.10(K)(1)(c)(3)]
4. the permittee submitted notice of the emergency to the Office of Air Resources within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirements of Condition II.CC.3 of this permit. [250-RICR-120-05-29.10(K)(1)(c)(4)]

The permittee shall have the burden of proof in seeking to establish the occurrence of an emergency. [250-RICR-120-05-29.10(K)(1)(d)]

**I. Duty to Provide Information**

The permittee shall furnish to the Office of Air Resources, within a reasonable time, any pertinent information that the Office of Air Resources may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Office of Air Resources 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 Administrator along with a claim of confidentiality. [250-RICR-120-05-29.10(H)(1)(c)(5)]

**J. Duty to Supplement**

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 Office of Air Resources. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit. [250-RICR-120-05-29.9.2(E)(1)]

**K. Reopening for Cause**

The Office of Air Resources will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

1. Additional requirements under the Clean Air Act become applicable to a major source 3 or more year prior to the expiration date of this permit. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit, unless this permit or any of its terms and conditions has been extended. [250-RICR-120-05-29.10(M)(1)(a)]
2. The Office of Air Resources or the Administrator determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. [250-RICR-120-05-29.10(M)(1)(c)]
3. The Office of Air Resources or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [250-RICR-120-05-29.10(M)(1)(d)]

Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable. [250-RICR-120-05-29.13.5(A)]

Reopenings shall not be initiated before a notice of intent to reopen is provided to the permittee by the Office of Air Resources at least 30 days in advance of the date that this permit is to be reopened, except that the Office of Air Resources may provide a shorter time period (but not less than 5 days) in the case of an emergency. [250-RICR-120-05-29.13.5(B)]

All permit conditions remain in effect until such time as the Office of Air Resources takes final action. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [§70.6(a)(6)(iii)]

**L. Severability Clause**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [250-RICR-120-05-29.3, 29.10(H)(1)(b)]

**M. Off-Permit Changes**

1. The permittee is allowed to make certain changes that are not addressed or prohibited by this permit without a permit revision, provided that the following conditions are met: [250-RICR-120-05-29.15.2(A)]
  - a. Changes under this provision may not include changes or activities subject to any requirement under Title IV or modifications under any provision of Title I of the Clean Air Act. [250-RICR-120-05-29.15.2(A)]
  - b. Each change shall comply with all applicable requirements comply with all applicable requirements and shall not violate any term or condition of this permit. [250-RICR-120-05-29.15.2(B)]
  - c. Before the permit change is made, the permittee must provide concurrent written notice to the Office of Air Resources and the USEPA Region I, except for changes that qualify as insignificant activities specified in 250-RICR-120-05-29.20 Appendix A. This notice shall describe each change, including the date, and change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change. [250-RICR-120-05-29.15.2(C)]
  - d. The permit shield does not apply to changes made under this provision. [250-RICR-120-05-29.15.2(D)]
  - e. The permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes, including any other data necessary to show compliance with applicable ambient air quality standards. The record shall reside at the permittee's facility. [250-RICR-120-05-29.15.2(E)]
  - f. Changes made pursuant to this provision shall be incorporated into this permit at the time of renewal. [250-RICR-120-05-29.15.2(F)]
2. Changes made pursuant to this provision shall not be exempt from the requirement to obtain a minor source permit pursuant to the requirements of Air Pollution Control Permit, 250-RICR-120-05-9, if applicable. [29.15.2(A)]

**N. Section 502(b)(10) Changes**

1. The permittee is allowed to make changes within this permitted facility that contravene the specific terms of this permit without applying for a permit revision, provided the changes do not exceed the emissions allowable under this permit, whether expressed therein as a rate of emissions or in terms of

total emissions and are not Title I modifications. [250-RICR-120-05-29.15.1(A)] This class of changes does not include: [250-RICR-120-05-29.5(A)(27)]

- a. changes that would violate applicable requirements; [250-RICR-120-05-29.5(A)(27)] or
  - b. changes to federally-enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements. [250-RICR-120-05-29.5(A)(27)]
2. The permittee shall provide written notice to the Office of Air Resources and the USEPA Region I of any change made under this provision. The notice must be received by the Office of Air Resources no later than fourteen (14) days in advance of the proposed changes. The notice shall include information describing the nature of the change, the effect of the change on the emission of any air contaminant, the scheduled completion date of the planned change and identify any permit terms or conditions that are no longer applicable as a result of the change. The permittee shall attach each notice to its copy of this permit. [250-RICR-120-05-29.15.1(A)(1), 29.15.1(A)(2)]
  3. The permittee shall be allowed to make such change proposed in its notice the day following the last day of the advance notice described in paragraph 2 if the Office of Air Resources has not responded nor objected to the proposed change on or before that day. [250-RICR-120-05-29.15.1(B)]
  4. Any permit shield provided in this permit does not apply to changes made under this provision. If subsequent changes cause the permittee's operations and emissions to revert to those anticipated in this permit, the permittee resumes compliance with the terms and conditions of the permit, and has provided the Office of Air Resources and USEPA with a minimum of fourteen (14) days advance notice of such changes in accordance with the provisions of paragraph 2, the permit shield shall be reinstated in accordance with terms and conditions stated in this permit. [250-RICR-120-05-29.15.1(C)]
  5. Changes made pursuant to this provision shall be incorporated into the operating permit at the time of renewal. [250-RICR-120-05-29.15.1(D)]

**O. Emissions Trading**

No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [250-RICR-120-05-29.10(F)(1)(a)]

**P. Emission of Air Contaminants Detrimental to Person or Property**

The permittee shall not emit any air contaminant which either alone or in connection with other emissions, by reason of their concentration or duration, may be injurious to human, plant or animal life, or cause damage to property or which unreasonably interferes with the enjoyment of life or property. [250-RICR-120-05-7.6]

**Q. Odors**

1. The permittee shall not emit or cause to be emitted into the atmosphere any air contaminant or combination of air contaminants which creates an objectionable odor beyond the property line of this facility. [250-RICR-120-05-17.5]

2. A staff member of the Office of Air Resources shall determine by personal observation if an odor is objectionable, taking into account its nature, concentration, location, duration and source. [250-RICR-120-05-17.6]

**R. Visible Emissions**

1. Except as may be specified in other provisions of this permit, the permittee shall not emit into the atmosphere, from any emission unit, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [250-RICR-120-05-1.6] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [250-RICR-120-05-1.8]
2. Tests for determining compliance with the opacity limitations specified in this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [250-RICR-120-05-1.7(A-B)]

**S. Open Fires**

It shall be unlawful for the permittee to burn any material in an open fire, except as provided in 250-RICR-120-05-4.6. [250-RICR-120-05-4.5]

**T. Construction Permits**

The permittee shall not construct, install, modify or cause the construction, installation or modification of any stationary source subject to the provisions of 250-RICR-120-05-9 without obtaining either a minor source permit or a major source permit from the Director. [250-RICR-120-05-9.6(A)]

**U. Fuel Oil**

1. Unless the Director determines, pursuant to Conditions II.U.7-8 of this permit, that a shortage of fuel oil meeting the requirements of this permit exists, the permittee shall not use or store fuel oil having a sulfur content in excess of the following, except for use with marine vessels and motor vehicles: [250-RICR-120-05-8.6(A), 8.7(C)]
  - a. All distillate or biodiesel fuel oil burned at the facility shall contain no more than 0.0015 percent sulfur by weight (15 ppm).
  - b. All residual fuel oil burned at the facility shall contain no more than 0.5 percent sulfur by weight (5000 ppm).
2. Fuel oil stored at the facility that met the applicable requirements of subsection II.U.1 at the time the fuel oil was received for storage at the facility may be stored for use after the effective date in specified in 250-RICR-120-05-8.6(A)(1). [250-RICR-120-05-8.7(B)]
3. Compliance with the sulfur in fuel limitations contained in this section shall be determined by procedures referenced below or deemed equivalent by the Director. Such procedures shall include but not be limited to any of the following: [250-RICR-120-05-8.8(A)]



- a. Emission testing conducted by the permittee according to the Reference Methods of Appendix A to 40 CFR 60; or [250-RICR-120-05-8.8(A)(1)]
  - b. For each shipment of fuel oil, the permittee shall obtain a certification from the fuel supplier which contains: [250-RICR-120-05-8.8(A)(2), 250-RICR-120-05-29.10(C)(1)(b)]
    - (1) the name of the supplier and the date the fuel oil was received from the supplier; and, [250-RICR-120-05-8.8(A)(2)(a)]
    - (2) the sulfur content of the fuel oil; and, [250-RICR-120-05-8.8(A)(2)(b)]
    - (3) the date and location of the fuel oil when the sample was drawn for analysis to determine the sulfur content of the fuel oil, specifically including where the fuel oil was sampled; or [250-RICR-120-05-8.8(A)(2)(c)]
  - c. Laboratory analysis of fuel oils by the permittee or by the supplier. Sampling and analysis shall be conducted after each new shipment of fuel oil is received by the permittee. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel oil is combusted. All fuel oil must be sampled and analyzed in accordance with applicable ASTM methods or another method which has the prior approval of or are required by the Director. [250-RICR-120-05-8.8(A)(3), 250-RICR-120-05-29.10(C)(1)(b)]
  - d. A continuous monitoring system for the measurement of sulfur dioxide that meets the performance specifications in Appendix B of 40 CFR 60. The monitoring equipment shall also be installed, calibrated, operated, and maintained in accordance with the procedures in Appendix B of 40 CFR 60 and the minimum specifications in Appendix P of 40 CFR 51. [250-RICR-120-05-8.8(A)(4)]
4. The Director may require, under his supervision, the collection of fossil fuel samples for the purpose of determining compliance with the sulfur limitations in this permit. [250-RICR-120-05-8.8(C)]
  5. For residual oil, the fuel supplier's certification shall also contain the following information:
    - a. The nitrogen content of the oil and the ASTM method used to determine the nitrogen content of the oil,
    - b. The location of the oil when the sample was drawn for analysis to determine the nitrogen content of the oil, specifically including whether the oil was sampled as delivered to the permittee or whether the sample was drawn from oil in storage at the oil suppliers/refiners' facility or another location. [250-RICR-120-05-29.10(C)(1)(b)]
  6. Copies of the fuel oil analysis sheets shall be maintained at the facility and be made accessible for review by the Office of Air Resources or its authorized representatives and USEPA. These records shall include a certified statement, signed by a responsible official, that the records represent all of the fuel combusted during each quarter. [250-RICR-120-05-8.9(A), 250-RICR-120-05-29.10(C)(1)(b)]

7. The Director may, upon application, defer compliance with Conditions II.U.1 of this permit where compliance is not possible because of breakdowns or malfunction of equipment, acts of God, other unavoidable casualties or for good cause shown; provided that the order shall not defer compliance for more than three (3) months. [250-RICR-120-05-8.11(A)]
8. The Director shall notify the Administrator within five (5) business days after issuing an order deferring compliance with Conditions II.U.1 of this permit. [250-RICR-120-05-8.11(B)]

**V. Air Pollution Episodes**

Conditions justifying the proclamation of an air pollution alert, air pollution warning or air pollution emergency shall be deemed to exist whenever the Director determines that the accumulation of air pollutants in any place is attaining or has attained levels which could, if such levels are sustained or exceeded, lead to a substantial threat to the health of persons. If the governor declares an air pollution alert, air pollution warning or air pollution emergency, the permittee shall comply with the applicable requirements contained in Air Pollution Episodes, 250-RICR-120-05-10. [250-RICR-120-05-10.5(A)]

**W. Fugitive Dust**

The permittee shall not cause or permit any materials, including but not limited to sand, gravel, soil, aggregate and any other organic or inorganic solid matter capable of releasing dust, to be handled, transported, mined, quarried, stored or otherwise utilized in any way so as to cause airborne particulate matter to travel beyond the property line of the facility without taking adequate precautions to prevent particulate matter from becoming airborne. Such precaution shall be in accordance with good industrial practice as determined by the Director and/or shall be other reasonable fugitive dust prevention measures as determined by the Director. [250-RICR-120-05-5.6(A)]

**X. Adhesives and Sealants**

Except as provided in 250-RICR-120-05-44.6(B-C), the permittee shall comply with all applicable provisions of Control of VOC from Adhesives and Sealants, 250-RICR-120-05-44 if the permittee sells, offers for sale supplies or manufactures any adhesive, sealant, adhesive primer or sealant primer for use within the State of Rhode Island or uses or solicits the use of any adhesive, sealant, adhesive primer or sealant primer within the State of Rhode Island. [250-RICR-120-05-44.6(A)]

**Y. Architectural and Industrial Maintenance Coatings**

Except as provided in 250-RICR-120-05-33.6(B), the permittee shall comply with all applicable provisions of Control of VOC from Architectural Coatings and Industrial Maintenance Coatings, 250-RICR-120-05-33 if the permittee sells, offers for sale, or supplies or manufactures an architectural coating for use within the State of Rhode Island or applies an architectural coating for compensation, or solicits the application of any architectural coating within the State of Rhode Island. [250-RICR-120-05-33.6(A)]

**Z. Compliance Certifications**

1. The permittee shall submit a certification of compliance with permit terms and conditions annually. [250-RICR-120-05-29.10(E)(1)(c)(1)]

2. The certification shall describe the following:
  - a. the identification of each permit term or condition that is the basis of the certification; [250-RICR-120-05-29.10(E)(1)(c)(3)(AA)]
  - b. the current compliance status; [250-RICR-120-05-29.10(E)(1)(c)(3)(BB)]
  - c. whether compliance was continuous or intermittent; [250-RICR-120-05-29.10(E)(1)(c)(3)(CC)]
  - d. the methods used for determining current compliance status and the compliance status during the reporting period; [250-RICR-120-05-29.10(E)(1)(c)(3)(DD)]
  - e. any additional requirements the Office of Air Resources may require to determine the compliance status of the stationary source. [250-RICR-120-05-29.10(E)(1)(c)(3)(EE)]
3. All compliance certifications shall be submitted to the Office of Air Resources and to the USEPA Region I. It shall be submitted within 60 days following the end of the reporting period which is the calendar year unless otherwise specified. [250-RICR-120-05-29.10(E)(1)(c)(4)]
4. All compliance certifications shall be certified as being true, accurate, and complete by a responsible corporate official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [250-RICR-120-05-29.10(H)(1)(e)]

**AA. Permit Shield**

1. Compliance with the terms and conditions of this permit shall be deemed compliance with all requirements applicable to the source in: Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386, 1879 & 1995; 40 CFR 60 Subpart A, XX and IIII, 40 CFR 63 Subpart A and R; 250-120-05 Parts 1, 4, 5, 7, 8, 9, 10, 11, 14, 16, 17, 22, 28, 29, 33, 43 and 44. [250-RICR-120-05-29.10(L)(1)(a)(1)]
2. The Office of Air Resources has determined that emission units P001, P002, G001 and T001 - T003, T005 - T008, T1906, T3344, T3620, T7132, T7049, T7488, T7489, T7494, T7521, T7547, T7548, T7549, T7591, T7651, T7652, T7565, T31641 and T31726 are not subject to 250-120-05 Parts. 3, 6, 12, 3 15, 19, 20, 21, 23, 24, 25, 26, 27, 30, 31, 32, 35, 36, 39, 46 and 47; 40 CFR 60 Subpart Ka. [250-RICR-120-05-29.10(L)(1)(a)(2)]
3. The Office of Air Resources has determined that emission units P001, P002, G001 and T001 - T003, T005 - T008, T1906, T3344, T3620, T7132, T7049, T7488, T7489, T7494, T7521, T7547, T7548, T7549, T7591, T7651, T7652, T7565 and T31641 are not subject to 40 CFR 60, Subpart K.
4. The Office of Air Resources has determined that emission units P001, P002, G001 and T001 - T003, T005 - T008, T7132, T7488, T7489, T7548, T7549, T7591, T7651, T7652, T7565, T31641 and T31726, are not subject to 40 CFR 60, Subpart Kb.

5. Nothing in this permit shall alter or affect the following:
  - a. the provisions of Section 303 of the Clean Air Act, including the authority of the USEPA under that Section. [250-RICR-120-05-29.10(L)(1)(c)(1)]
  - b. the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [250-RICR-120-05-29.10(L)(1)(c)(2)]
  - c. the applicable requirements of the acid rain program consistent with Section 408 of the Clean Air Act. [250-RICR-120-05-29.10(L)(1)(c)(3)]
  - d. the ability of the USEPA to obtain information under Section 114 of the Act. [250-RICR-120-05-29.10(L)(1)(c)(4)]
6. If it is determined that this operating permit was issued based on inaccurate or incomplete information provided by the permittee, this permit shield shall be void as to the portions of this permit which are affected, directly or indirectly, by the inaccurate or incomplete information. [250-RICR-120-05-29.10(L)(1)(d)]

**BB. Recordkeeping**

1. The permittee shall, at the request of the Director, maintain records of and provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [250-RICR-120-05-14.5.1]
2. All records and supporting information required by this permit shall be maintained at the permittee's 520 Allens Avenue facility for a period of at least 5 years from the date of sample monitoring, measurement, report or application, and shall be made available to representatives of the Office of Air Resources and the USEPA upon request. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [250-RICR-120-05-14.5.1, 250-RICR-120-05-8.9(B) 250-RICR-120-05-29.10(D)(1)(b), 250-RICR-120-05-11.6.2(B), 11.7.2(B), 250-RICR-120-05-27.10(K), 250-RICR-120-05-43.12.3, Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(k), 40 CFR 60.7(f), 60.505(c), 60.505(d), 60.505(f), 63.10(b)(1), 63.427(c), and 63.428(d)]
3. The permittee shall keep records of required monitoring information that include the following:
  - a. The date, place and time of sampling or measurements; [250-RICR-120-05-29.10(D)(1)(a)(1)]
  - b. The date(s) analyses were performed; [250-RICR-120-05-29.10(A)(1)(a)(2)]
  - c. The company or entity that performed the analyses; [250-RICR-120-05-29.10(A)(1)(a)(3)]
  - d. The analytical techniques or methods used; [250-RICR-120-05-29.10(A)(1)(a)(4)]

- e. The results of such analyses; and [250-RICR-120-05-29.10(A)(1)(a)(5)]
- f. The operating conditions as existing at the time of sampling or measurement. [250-RICR-120-05-29.10(A)(1)(a)(6)]

**CC. Reporting**

1. The information recorded by the permittee pursuant to Condition II.BB.1 of this Section shall be summarized and reported at least annually to the Director. It shall be submitted by April 15th unless otherwise specified. [250-RICR-120-05-14.5.2] Information submitted pursuant to this condition will be correlated with applicable emission limitations and other applicable emissions information and will be available for public inspection. [250-RICR-120-05-14.5.3]
2. The permittee shall submit reports of any required monitoring for each semiannual period ending 30 June and 31 December of each calendar year. These reports shall be due to the Office of Air Resources no later than forty-five (45) days after the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with Condition II.Z.4. [250-RICR-120-05-29.10(D)(2)(a)]
3. Deviations from permit conditions, including those attributable to upset conditions as defined in this permit, shall be reported, in writing, within five (5) business days of the deviation, to the Office of Air Resources. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken. Each report must be certified by a responsible official consistent with Condition II.Z.4. of this permit. [250-RICR-120-05-29.10(D)(2)(b), Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(j)]
4. The Office of Air Resources shall be notified in writing of any planned physical change or operational change to the emissions units and control devices identified in this permit. Such notification shall include information describing the nature of the change, information describing the effect of the change on the emissions of air contaminants and the scheduled completion date of the planned change. Any change which may result in an increased emission rate of any air contaminant shall be subject to approval of the Office of Air Resources. [Approval Nos. 377, 838, 1066, 1472-1476, 1600, 1843-1844, 1875-1878, 1994, 2222 and 2386(C)(4)(i), 40 CFR 60.7(a)(4)]

**DD. Credible Evidence**

For the purpose of submitting compliance certifications or establishing whether or not the permittee has violated or is in violation of any provision of this permit, the methods used in this permit shall be used as applicable. However, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the permittee would have been in compliance with applicable requirements if the appropriate performance or compliance test procedures or methods had been performed. [40 CFR 51.212(c), 52.12(c), 52.33(a)]

**EE. Emission Statements**

1. The permittee shall submit annually an emission statement which includes information for both VOC and NO<sub>x</sub> if facility wide actual emissions are 25 tons per year of either pollutant. Emission statements shall be submitted to the Office of Air Resources on April 15<sup>th</sup> of each year unless otherwise specified.

The permittee may apply to the Office of Air Resources to be allowed to discontinue submitting annual emission statements if actual emissions at the facility decrease to below 10 tons per year as a result of a permanent process change. [250-RICR-120-05-14.6.1] permittee shall submit this emission statement in a format approved by the Office of Air Resources. The emission statement shall contain the following information: [250-RICR-120-05-14.6.2(A)]

- a. A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual. [250-RICR-120-05-14.6.2(A)(1)]
- b. The full name, title, signature, date of signature, and telephone number of the certifying individual. [250-RICR-120-05-14.6.2(A)(2)]
- c. Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s). [250-RICR-120-05-14.6.2(A)(3)]
- d. Process data pertaining to each process emitting VOC and/or NO<sub>x</sub>, including: [250-RICR-120-05-14.6.2(A)(4)]
  - (1) Annual and typical ozone season daily fuel use, [250-RICR-120-05-14.6.2(A)(4)(a)]
  - (2) Annual and typical ozone season daily process rate(s), [250-RICR-120-05-14.6.2(A)(4)(b)] and
  - (3) Process throughput while air pollution control equipment was not in operation. [250-RICR-120-05-14.6.2(A)(4)(c)]
- e. Operating data pertaining to each process emitting VOC and/or NO<sub>x</sub> during the reporting year, including: [250-RICR-120-05-14.6.2(A)(5)]
  - (1) Percentage annual throughput, [250-RICR-120-05-14.6.2(A)(5)(a)]
  - (2) Average hours of operation per day during the reporting year and on a typical ozone season day, [250-RICR-120-05-14.6.2(A)(5)(b)]
  - (3) Average number of days of operation per week during the reporting year and during a typical ozone season week, [250-RICR-120-05-14.6.2(A)(5)(c)] and
  - (4) Weeks of operation during the reporting year and during the peak ozone season. [250-RICR-120-05-14.6.2(A)(5)(d)]
- f. Control equipment information, including: [250-RICR-120-05-14.6.2(A)(6)]
  - (1) Specific primary and secondary control equipment for each process emitting VOC and/or NO<sub>x</sub>, [250-RICR-120-05-14.6.2(A)(6)(a)]
  - (2) Current overall control efficiency for each piece of control equipment (indicated by percent capture and percent destruction or removal), [250-RICR-120-05-14.6.2(A)(6)(b)] and
  - (3) Control equipment downtime during the reporting year and during the peak ozone season. [250-RICR-120-05-14.6.2(A)(6)(c)]

- g. Emissions information, including: [250-RICR-120-05-14.6.2(A)(7)]
- (1) Actual annual and typical ozone season daily emissions of VOC and NO<sub>x</sub> for each process. Emissions should be reported in tons per year and in pounds per day. [250-RICR-120-05-14.6.2(A)(7)(a)]
  - (2) A description of the emission calculation method and, if applicable, emission factor(s) used, [250-RICR-120-05-14.6.2(A)(7)(b)] and
  - (3) The calendar year for which emissions are reported. [250-RICR-120-05-14.6.2(A)(7)(c)]
- h. Any additional information required by the Director to document the facility's emission statements. [250-RICR-120-05-14.6.2(A)(8)]

**FF. Miscellaneous Conditions**

1. This permit may be modified, revoked, reopened, reissued or terminated for cause. The filing of a request, by the permittee, for a permit modification, revocation and reissuance or termination or of a notification of planned changes or anticipated noncompliance does not release the permittee from the conditions of this permit. [250-RICR-120-05-29.10(H)(1)(c)(3)]
2. Any application for a permit revision need only submit information related to the proposed change. [250-RICR-120-05-29.8(C)(2)]
3. Terms not otherwise defined in this permit shall have the meaning given to such terms in 40 CFR 60.2 and 63.2, the Clean Air Act as amended in 1990 or the referenced regulation as applicable.
4. Where more than one condition in this permit applies to an emission unit and/or the entire facility, the most stringent condition shall apply.

### SECTION III. SPECIAL CONDITIONS

---

#### A. Prevention of Accidental Releases

This section contains air pollution control requirements that are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.