



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

OPERATING PERMIT

*NAVAL STATION NEWPORT
(NAVSTA Newport)*

PERMIT NO. RI-25-07 (R1)

(Renewal date: October 29, 2007)
(Expiration date: October 29, 2012)

Pursuant to the provisions of Air Pollution Control Regulation No. 29, this operating permit is issued to:

Naval Station Newport
Environmental Department
1 Simonpietri Drive
Newport, RI 02841-1522

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.

Terrence Gray, Assistant Director

Date of revision: 09/19/2008

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SECTION I. SOURCE SPECIFIC CONDITIONS

A. Requirements for Emission Units 7CC-B1 and 7CC-B2

The following requirements are applicable to:

- Emission units 7CC-B1 and 7CC-B2, which are 92.5 MMBTU/Hr Riley Stoker Water Tube boilers, Model No. Series 400 RX3, equipped with low-NO_x burners and flue gas recirculation. Capable of burning No.4 fuel oil and natural gas.

1. Emission Limitations

a. Particulates

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input. [13.2.1]

b. Nitrogen Oxides (NO_x)

- (1) The permittee shall not cause or allow the emissions of NO_x in excess of 0.10 pounds per million BTU heat input when operated on natural gas. [27.4.2(a)(1)]

c. 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. [1.2] 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. [1.4]

d. Sulfur Oxides

The sulfur content of fuel oil delivered for use or used shall not exceed 0.5 percent by weight. [Approval No. 884(II)(A)(1), Approval No. 993 & 994(II)(A)(1) and 1483(H)(2)(b), 8.2]

2. Operating Requirements

- a. When fired with residual fuel oil, emission units 7CC-B1 and 7CC-B2 shall be equipped with low-NO_x burners and flue gas recirculation (with a minimum of 10% flue gas recirculation. Flue gas recirculation is not required to be in use when the boiler load is less than 20,000 lbs/hr of steam. [27.4.2(b)]

3. Monitoring Requirements

a. Opacity

Emission units 7CC-B1 and 7CC-B2 shall be equipped with an opacity monitor with audio alarm. [6.2.2(b)] The opacity monitor shall be calibrated to sound the alarm at 20 percent opacity and shall be operated continuously during the combustion of oil. The audio alarm must be located in an area where it will be heard by the operator or other person responsible for the unit. [6.2.3]

b. Nitrogen Oxides (NO_x)

- (1) The steam production level (pounds per hour of steam) of each emission unit shall be monitored continuously. [29.6.3(a), 40 CFR 64]
- (2) The oxygen content of the flue gas (%) of each emission unit shall be monitored continuously. [29.6.3(a), 40 CFR 64]
- (3) The flue gas recirculation (FGR) damper position (% open) of each emission unit shall be monitored continuously. [29.6.3(a), 40 CFR 64]

4. Testing Requirements

a. Particulates

Compliance with the particulate emissions limitations contained in Condition I.A.1.a of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or

- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3] In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation contained in Condition I.A.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Nitrogen Oxides (NO_x)

Emissions testing for compliance with NO_x control requirements shall be conducted by 31 December of each year. Testing shall demonstrate compliance with the emission limit of 0.10 pounds per million BTU actual heat input when firing natural gas and shall provide emission rates for nitrogen oxides when firing No.4 fuel oil with a minimum of 10% flue gas recirculation. Emission testing shall comply with the following requirements: [27.5.7(a)]

- (1) An emissions testing protocol shall be submitted to the Office for review and approval prior to the performance of any test. The Office shall be notified at least 60 days prior to any emissions test. [27.5.7(b)]
- (2) All tests procedures used for emission testing shall be in accordance with the methods set forth in Appendix A of 40 CFR 60, or another method in Appendix A of 40 CFR 60, or another method approved by the Office and the USEPA. [27.5.7(c)]
- (3) The permittee shall install any and all test ports or platforms necessary to conduct the required emissions testing, provide safe access to any platforms and provide any necessary utilities for sampling and testing equipment. [27.5.7(d)]
- (4) All testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emission limitation. [27.5.7(e)]
- (5) All emissions testing must be observed by the Office or its authorized representative to be considered acceptable. [27.5.7(f)]

- (6) Emissions testing shall consist of 3 - one hour test runs. Compliance with the emission limitation must be demonstrated for each test run. [27.5.5]
- (7) A final report of the results of emission testing shall be submitted to the Office no later than 60 days following completion of the testing. [27.5.7(g)]

c. **Opacity**

Test for determining compliance with the opacity emissions limitations specified in Condition I.A.1.c of 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. [1.3.1, 1.3.2]

d. **Sulfur Oxides**

Compliance with the sulfur limitations specified in Condition I.A.1.d of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit. [29.6.3(b)]

5. Recordkeeping Requirements

- a. The permittee shall record the monthly fuel usage for each emission unit. [27.6.3]
- b. The steam production level (pounds per hour of steam) of each emission unit shall be recorded continuously. [29.6.3(a), 40 CFR 64]
- c. The oxygen content of the flue gas (%) of each emission unit shall be recorded continuously. [29.6.3(a), 40 CFR 64]
- d. The steam production level (pounds per hour of steam), the oxygen content of the flue gas (%) and the FGR damper position (% open) of each emission unit shall be recorded during each stack test conducted pursuant to Condition I.A.4.b. [29.6.3(a), 40 CFR 64]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources whenever:
 - (1) The steam production level of either emission unit is at or above 20,000 lb/hr; and,
 - (2) The FGR system for that emission unit is not operating.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

b. The permittee shall notify the Office of Air Resources whenever the oxygen content of the flue gas of either emission unit is:

- (1) less than 2.0%, or
- (2) more than 2.0% above the set-point level established based on boiler steam production level, or
- (3) more than 5.5%, and
- (4) The FGR system for that emission unit is operating.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

c. The permittee shall notify the Office of Air Resources whenever:

- (1) The FGR damper position of either emission unit is less than 10% open; and,
- (2) The steam production level of that emission unit is at or above 20,000 lb/hr.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

d. The permittee shall notify the Office of Air Resources whenever:

- (1) The FGR damper position of either emission unit does not increase proportionally as steam production level increases; and,
- (2) The steam production level of that emission unit is at or above 20,000 lb/hr

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

B. Requirements for Emission Unit 7CC-B3

- The following requirements are applicable to emission unit 7CC-B3 which is a 94.5 MMBTU/Hr Nebraska Water Tube Boiler, Model No. NS-F-87SH-S, equipped with low-NO_x burners and flue gas recirculation. Capable of burning No.4 fuel oil and natural gas.

1. Emission Limitations

a. Particulates

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input or 9.45 pounds per hour, whichever is more stringent. [Approval No. 884(I)(A)(1), 13.2.1]

b. Nitrogen Oxides (NO_x)

(1) The permittee shall not cause or permit the emissions of Nitrogen Oxides to exceed 0.3 pounds per million BTU actual heat input or 28.35 pounds per hour, whichever is more stringent, when operated on No. 4 fuel oil. [Approval No. 884(I)(A)(2)]

(2) The permittee shall not cause or permit the emissions of Nitrogen Oxides to exceed 0.10 pounds per million BTU of heat input when operated on natural gas. [27.4.2(a)(1)]

c. 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. [1.2] 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. [1.4]

d. Sulfur Oxides

The sulfur content of all fuel oil delivered for use or used shall not exceed 0.5 percent by weight. [Approval No. 884(II)(A)(1), 8.2, Approval No. 993 & 994(II)(A)(1), 1483(H)(2)(b)]

2. Operating Requirements

- a. When fired with residual fuel oil, emission unit 7CC-B3 shall be equipped with low-NO_x burners and flue gas recirculation (with a minimum of 10% flue gas recirculation). Flue gas recirculation is not required to be in use when the boiler load is less than 20,000 lbs/hr of steam. [27.4.2(b)]
- b. The maximum firing rate of 7CC-B3 shall not exceed 630 gallons per hour, and the maximum steam output shall be limited to 80,000 pounds per hour. [Approval No. 884(VI)(A-B)]

3. Monitoring Requirements

- a. Opacity
 - (1) Emission unit 7CC-B3 shall be equipped with a continuous emission monitoring system for measuring opacity. [Approval No. 884(IV)(A)]
 - (2) The continuous emissions monitoring system for measuring opacity must satisfy the USEPA performance specifications of 40 CFR 60, Appendix B. [Approval No. 884(IV)(B)]
 - (3) All data shall be monitored continuously. [Approval No. 884(IV)(C)]
- b. Nitrogen Oxides (NO_x)
 - (1) The steam production level (pounds per hour of steam) shall be monitored continuously. [29.6.3(a), 40 CFR 64]
 - (2) The oxygen content of the flue gas (%) shall be monitored continuously. [29.6.3(a), 40 CFR 64]
 - (3) The FGR damper position (% open) shall be monitored continuously. [29.6.3(a), 40 CFR 64]

4. Testing Requirements

- a. Particulates

Compliance with the particulate emissions limitations contained in Condition I.B.1.a of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the

Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation of Condition I.B.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.B.1.c of 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. [1.3.1, 1.3.2]

c. Sulfur Oxides

Compliance with the sulfur limitations contained in Condition I.B.1.d of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit. [29.6.3(b)]

d. Nitrogen Oxides (NO_x)

Emissions testing for compliance with NO_x control requirements shall be conducted by 31 December of each year. Testing shall demonstrate compliance with the emission limit of 0.10 pounds per million BTU actual heat input when firing natural gas and 0.3 pounds per million BTU actual heat input when firing No.4 fuel oil with a minimum of 10% flue gas recirculation. Emission testing shall comply with the following requirements: [27.5.7(a)]

- (1) An emissions testing protocol shall be submitted to the Office for review and approval prior to the performance of any test. The Office shall be notified at least 60 days prior to any emissions test. [27.5.7(b)]
- (2) All tests procedures used for emission testing shall be in accordance with the methods set forth in Appendix A of 40 CFR 60, or another method in Appendix A of 40 CFR 60, or another method approved by the Office and the USEPA. [27.5.7(c)]
- (3) The permittee shall install any and all test ports or platforms necessary to conduct the required emissions testing, provide safe access to any platforms and provide any necessary utilities for sampling and testing equipment. [27.5.7(d)]
- (4) All testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emission limitation. [27.5.7(e)]
- (5) All emissions testing must be observed by the Office or its authorized representative to be considered acceptable. [27.5.7(f)]
- (6) Emissions testing shall consist of 3 - one hour test runs. Compliance with the emission limitation must be demonstrated for each test run. [27.5.5]
- (7) A final report of the results of emission testing shall be submitted to the Office no later than 60 days following completion of the testing. [27.5.7(g)]

5. Recordkeeping Requirements

- a. The permittee shall maintain records of all measurements, performance evaluations, calibration checks, and maintenance adjustments for each continuous monitor. [Approval No. 884(V)(A),]
- b. The permittee shall maintain records of steam flow, pressure and temperature for emission unit 7CC-B3. [Approval No. 884(V)(D), 29.6.3(a) 40 CFR 64]
- c. The permittee shall record the monthly fuel usage of the emissions unit. [27.6.3]
- d. The permittee shall record all data continuously. [Approval No. 884(IV)(C)]
- e. The steam production level shall be recorded continuously. [29.6.3(a), 40

CFR 64]

- f. The oxygen content of the flue gas shall be recorded continuously. [29.6.3(a), 40 CFR 64]
- g. The steam production level, the oxygen content of the flue gas, and the FGR damper position shall be recorded during each stack test conducted pursuant to Condition I.B.4.d. [29.6.3(a), 40 CFR 64]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources whenever:
 - (1) The steam production level of 7CC-B3 is at or above 20,000 lb/hr; and,
 - (2) The FGR system for 7CC-B3 is not operating.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- b. The permittee shall notify the Office of Air Resources whenever the oxygen content of the flue gas of 7CC-B3 is:
 - (1) less than 2.0%, or
 - (2) more than 2.0% above the set-point level established based on boiler steam production level, or
 - (3) more than 5.5%, and
 - (4) The FGR system for 7CC-B3 is operating

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- c. The permittee shall notify the Office of Air Resources whenever:
 - (1) The FGR damper position of 7CC-B3 is less than 10% open; and,
 - (2) The steam production level of 7CC-B3 is at or above 20,000 lb/hr.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- d. The permittee shall notify the Office of Air Resources whenever:

- (1) The FGR damper position of 7CC-B3 does not increase proportionally as steam production level increases; and,
- (2) The steam production level of 7CC-B3 is at or above 20,000 lb/hr.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

C. Requirements for Emission Units 7CC-B4

The following requirements are applicable to:

- Emission unit 7CC-B4 is an English Boiler and Tube Inc. Water Tube Boiler, which has a maximum capacity of 95.8 MMBTU/Hr when burning natural gas or 92.4 MMBTU/Hr while burning No. 2 fuel oil, Model No. 75E-250-SH equipped with low-NOx burners with flue gas recirculation. Capable of burning No. 2 fuel oil and natural gas.
 - a. Natural Gas Firing
 - (1) Nitrogen oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from 7CC-B4 shall not exceed 0.036 lbs per million BTU heat input or 3.45 lbs/hr, whichever is more stringent. [Approval No. 1483 (A)(1)(a)]
 - (2) Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from 7CC-B4 shall not exceed 0.074 lbs per million BTU heat input or 7.09 lbs/hr, whichever is more stringent. [Approval No. 1483 (A)(1)(b)]
 - (3) Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from 7CC-B4 shall not exceed 0.01 lbs per million BTU heat input or 0.96 lbs/hr, whichever is more stringent. [Approval No. 1483(A)(1)(c)]

(4) Particulate Matter

The emission rate of particulate matter discharged to the atmosphere from 7CC-B4 shall not exceed 0.10 lbs per million BTU heat input. [13.2.1]

b. Oil Firing

(1) Nitrogen oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from 7CC-B4 shall not exceed 0.10 lbs per million BTU heat input or 9.24 lbs/hr, whichever is more stringent. [Approval No. 1483 (A)(2)(a)]

(2) Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from 7CC-B4 shall not exceed 0.078 lbs per million BTU heat input or 7.21 lbs/hr, whichever is more stringent. [Approval No. 1483 (A)(2)(b)]

(3) Sulfur Dioxide (SO₂)

(a) All fuel burned in 7CC-B4 shall contain no more than 0.3 percent sulfur by weight. [8.2, Approval No. 1483(A)(2)(c)(1), 40 CFR 60.42c(d)]

(b) The emission rate of sulfur dioxide discharged to the atmosphere from 7CC-B4 shall not exceed 28.1 lbs/hr. [Approval No. 1483(A)(2)(c)(2)]

(4) Particulate Matter

The emission rate of particulate matter discharged to the atmosphere from 7CC-B4 shall not exceed 0.03 lbs per million BTU heat input or 2.77 lbs/hr whichever is more stringent. [Approval No. 1483 (A)(2)(d), 13.2.1]

(5) Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from 7CC-B4 shall not exceed 0.01 lbs per million BTU heat input or 0.92 lbs/hr, whichever is more stringent. [Approval No. 1483(A)(2)(e)]

- c. Visible emissions from the stack of Emission Unit 7CC-B4 shall not exceed 10% opacity (6-minute average). [Approval No. 1483(B)(4), 1.2] 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. [1.4]

2. Operating Requirements

- a. The maximum firing rate of Emission Unit 7CC-B4 shall not exceed 93,922 ft³/hr of natural gas or 660 gal/hr of No.2 fuel oil. [Approval No. 1483(B)(1)]
- b. The permittee shall limit the quantity of No.2 fuel oil combusted in Emission Unit 7CC-B4 to 3,000,000 gallons or less for any consecutive 12 month period. [Approval No. 1483(B)(2)]
- c. The flue gas recirculation system for Emission Unit 7CC-B4 shall be in full operation whenever 7CC-B4 is in operation, except during low boiler load conditions where flame stability problems preclude the use of the flue gas recirculation system.. Low load point for emission unit 7CC-B4 shall be 30,000 lbs/hr of steam. [Approval No. 1483(B)(3)]

3. Monitoring Requirements

- a. Continuous emission monitoring equipment shall be installed, operated and maintained for opacity when Emission Unit 7CC-B4 is operating on fuel oil. [Approval No. 1483(C)(1)]
- b. A monitoring device shall be installed, operated and maintained to determine the percent flue gas recirculated on Emission Unit 7CC-B4 at any given boiler load. [Approval No. 1483(C)(2)]
- c. Natural gas and fuel oil flows for Emission Unit 7CC-B4 shall be continuously measured and recorded. [Approval No. 1483(C)(3)]
- d. Nitrogen Oxides (NO_x)
- (1) The steam production level (pounds per hour of steam) shall be monitored continuously. [29.6.3(a), 40 CFR 64]
- (2) The oxygen content of the flue gas (%) shall be monitored

continuously. [29.6.3(a), 40 CFR 64]

- (3) The FGR damper position (% open) shall be monitored continuously. [29.6.3(a), 40 CFR 64]

4. Testing Requirements

a. Particulates

Compliance with the particulate emissions limitations contained in Conditions I.C.1.a(4) and I.C.1.b(4) of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation of Conditions I.C.1.a(4) and I.C.1.b(4) of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Tests for determining compliance with the opacity limitations specified in Condition I.C.1.c of 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. [1.3.1, 1.3.2, 40 CFR 60.45c(a)(8)]

c. Sulfur Dioxide (SO₂)

- (1) Compliance with fuel oil sulfur limits may be determined based on a certification from the fuel supplier. [40 CFR 60.42c(h)(1), 40 CFR 60.44c(h), Approval No. 1483 (E)(1)]
- (2) Fuel supplier certification shall include the following information:[40 CFR 60.48c(f), Approval No. 1483 (E)(2)]
 - (a) The name of the oil supplier; [40 CFR 60.48(f)(1)(i), Approval No. 1483(E)(2)(a)]
 - (b) A statement from the oil supplier that the oil complies with the specification for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78 A Standard Specification for Fuel Oils; [40 CFR 60.48c(f)(1)(ii), Approval No. 1483(E)(2)(b)]
 - (c) The sulfur content of the fuel oil; and [Approval No. 1483 (E)(2)(c), 40 CFR 60.48c(f)(1)(iii)]
 - (d) The method used to determine the sulfur content of the oil. [Approval No. 1483(E)(2)(d)]
- (3) As an alternative to fuel supplier certification, the permittee may elect to sample the fuel prior to combustion. Sampling and analysis shall be conducted for the oil in the initial tank of oil to be fired in Emission Unit 7CC-B4 and after each new shipment of oil is received. Samples shall be collected from the fuel tank is filled and before any oil is combusted. [40 CFR 60.46c(d)(2), Approval No. 1483(E)(3)]

d. Nitrogen Oxides (NO_x)

Emissions testing for compliance with the NO_x emission limitations for natural gas and fuel oil shall be conducted by 31 December annually. Emission testing shall comply with the following requirements: [Approval No. 1483(D)(1), 40 CFR 60.8(a)]

- (1) An emissions testing protocol shall be submitted to the Office for review and approval prior to the performance to any test. The permittee shall provide the Office at least 60 days prior notice of any performance test. [Approval No. 1483(D)(2)]

- (2) All test procedures used for emission testing shall be in accordance with the methods set forth in Appendix A of 40 CFR 60, or another method in Appendix A of 40 CFR 60, or another method approved by the Office and the USEPA. [Approval 1483(D)(3)]
- (3) 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 No. 1483(D)(4), 40 CFR 60.8(e)]
- (4) All testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emission limitation. [Approval 1483 (D)(5), 40 CFR 60.8(c)]
- (5) All emissions testing must be observed by the Office or its authorized representative to be considered acceptable. [Approval No. 1483(D)(6)]
- (6) Emissions testing shall consist of 3 - one hour test runs. Compliance with the emission limitation must be demonstrated for each test run. [40 CFR 60.8(f)]
- (7) A final report of the results of emission testing shall be submitted to the Office no later than 60 days following completion of the testing. [Approval No. 1483(D)(7)]

5. Recordkeeping Requirements

- a. The permittee shall record and maintain records of the amounts of fuel combusted during each day. [40 CFR 60.48c(g)]
- b. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of Emission Unit 7CC-B4. [40 CFR 60.7c(b)]
- c. The permittee shall, on a monthly basis, no later than 5 days after the first of the month, determine the fuel use in Emission Unit 7CC-B4 for the previous 12 months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval No. 1483(F)(3)]

- d. The permittee shall retain copies of all fuel supplier certifications. These fuel supplier certification records shall be made accessible for review by the Office of Air Resources or USEPA. [Approval No. 1483(F)(6), 60.48c(e)(11)]
- e. The steam production level shall be recorded continuously. [29.6.3(a), 40 CFR 64]
- f. The oxygen content of the flue gas shall be recorded continuously. [29.6.3(a), 40 CFR 64]
- g. The steam production level, the oxygen content of the flue gas, and the FGR damper position shall be recorded during each stack test conducted pursuant to Condition I.C.4.d. [29.6.3(a), 40 CFR 64]

6. Reporting Requirements

- a. The permittee shall submit to the USEPA a report as specified in 40 CFR 60.48c(d). The reporting period for this report is each six-month period. Each report shall be postmarked by the 30th day following the end of the reporting period. Each report shall include the following information:[40 CFR 60.48c(j), 40 CFR 60.48c(d), 40 CFR 60.48c(e)]
 - (1) Calendar dates covered in the reporting period. [40 CFR 60.48c(e)(1)]
 - (2) Records of fuel supplier certifications as described in condition I.C.4.c(2) of this permit. [40 CFR 60.48c(e)(11)]
 - (3) A certified statement signed by the permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period for the emission unit. [40 CFR 60.48c(e)(11)]
- b. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.C. of this permit or any other applicable air pollution control rules and regulations. [Approval No. 1483 (F)(7)]
- c. The permittee shall notify the Office of Air Resources whenever its fuel usage for Emission Unit 7CC-B4 for any consecutive 12 month period exceeds 3,000,000 gallons of #2 fuel oil. [Approval No. 1483(F)(4)]

- d. The permittee shall notify the Office of Air Resources whenever:
- (1) The steam production level of 7CC-B4 is at or above 30,000 lb/hr; and,
 - (2) The FGR system for 7CC-B4 is not operating.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- e. The permittee shall notify the Office of Air Resources whenever the oxygen content of the flue gas of 7CC-B4 is either:
- (1) less than 2.0%, or
 - (2) more than 2.0% above the set-point level established based on boiler steam production level, or
 - (3) more than 5.5%; and,
 - (4) the FGR system for 7CC-B4 is operating

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- f. The permittee shall notify the Office of Air Resources whenever:
- (1) The FGR damper position of 7CC-B4 is less than 10% open; and,
 - (2) The steam production level of 7CC-B4 is at or above 30,000 lb/hr.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

- g. The permittee shall notify the Office of Air Resources whenever:
- (1) The FGR damper position of 7CC-B4 does not increase proportionally as steam production level increases; and,
 - (2) The steam production level of 7CC-B4 is at or above 30,000 lb/hr.

This notification shall be provided in the semi-annual monitoring report required by Condition II.AA.2. [29.6.3(a), 40 CFR 64]

7. Other Conditions

- a. To the extent consistent with the requirements of Section I.C. 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 preconstruction permit application prepared by Raytheon Engineers & Constructors, Inc. dated May 1998. [Approval No. 1483(G)(1)]
- b. The Sulfur Dioxide emission limits and fuel oil sulfur limits in Section I.C. of this permit apply at all times, including periods of startup, shutdown, or malfunction. [40 CFR 60.42c(i)]
- c. The Particulate Matter and Opacity standards in Section I.C. of this permit shall apply at all times except during periods of startup, shutdown, or malfunction. [40 CFR 60.43c(d)]
- d. Emission Unit 7CC-B4 is subject to the requirements of 40 CFR 60, Subpart A (General Provisions). Compliance with all applicable provisions therein is required, unless otherwise stated in this permit. [Approval No. 1483(G)(3)]

D. Requirements for Emission Units 1312CP-B1, 1312CP-B2, 1112CP-B1, 447CP-WH1, 678CP-WH1, 68CC-B1, 197CP-WH1, 197CP-WH2, 291CP-WH1, 291CP-WH, 307CP-B1, 688CP-WH1, W36CP-B1, 1269CP-B1, 1801CP-B1 and 1372CC-B1

The following requirements are applicable to:

- Emission units 1312CP-B1 and 1312CP-B2, each of which is a 3.5 MMBTU/Hr Rite Engineering & Manufacturing Corp. Package Boiler, Model No. 350WO, which burns No. 2 fuel oil.
- Emission unit 1112CP-B1, which is a 3.71 MMBTU/Hr H.B. Smith Water Tube Boiler, Model No. Series 28A, which burns No.2 fuel oil.
- Emission unit 447CP-WH1, which is a 1.6 MMBTU/Hr Turbopower Fire Tube Water Heater, Model No. 2000PHE750-TPO, which burns No.2 fuel oil.
- Emissions unit 678CP-WH1, which is a 1.1 MMBTU/Hr PVI Hot Water Heater, Model No. 1250PHE125ATPO, which burns No.2 fuel oil.
- Emission unit 68CC-B1, which is a 4.20 MMBTU/Hr Cleaver Brooks Fire Tube Boiler, Model No. CB100-S, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]
- Emission units 197CP-WH1 and 197CP-WH2, each of which is a 3.20 MMBTU/Hr PVI Hot Water Heater, Model No. 4000-NHE-250A, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]

- Emission units 291CP-WH1 and 291CP-WH2, each of which is a 3.2 MMBTU/Hr PVI Hot Water Heater, Model No. 4000-NHE-250A, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]
- Emissions unit 307CP-B1 which is a 1.316 MMBTU/hr Weil-McLain Package Boiler, Model No. H588SF, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]
- Emissions unit 1269CP-B1 which is a 1.652 MMBTU/hr Weil-McLain Package Boiler, Model No. H688WF, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]
- Emission unit 688CP-WH1, which is a 3.20 MMBTU/Hr PVI Hot Water Heater, Model No. 4000-NHE-250A, which burns No. 2 fuel oil. [Approval Nos. 1779-1782]
- Emissions unit 1801CP-B1, which is a 1.617 MMBTU/Hr Weil-McLain Package Boiler, Model No. 688W, which burns No. 2 fuel. [Approval Nos. 1779-1782]
- Emission unit W36CP-B1, which is a 1.624 MMBTU/Hr Burnam Cast Iron Boiler, Model No. KV909A, which burns No. 2 fuel oil.
- Emission unit 1372CC-B1, which is a 3.1 MMBTU/Hr Weil-McLain Package Boiler No. 10-88WF boiler, which burns No. 2 fuel oil.

1. Emission Limitations

a. Particulates

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input. [13.2.1]

b. 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. [1.2] 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. [1.4]

c. Sulfur Oxides

Unless the Director declares in writing after a hearing that a shortage of low sulfur fuel exist, the permittee shall not use or store fuel oil with a sulfur content greater than 1.0% by weight. [8.2]

2. Operating Requirements

- a. The permittee shall tune emission units 1312CP-B1, 1312CP-B2, 1112CP-B1, 447CP-WH1, and 678CP-WH1, 68CC-B1, 197CP-WH1, 197CP-WH2, 291CP-WH1, 291CP-WH2, 307CP-B1, 1269CP-B1, 688CP-WH1, W36CP-B1, 1801CP-B1 and 1372CC-B1 at least once each year of operation, in accordance with the procedure described in Appendix A of APC Regulation No. 27. [27.4.2(c), Approval Nos. 1779-1782(B)(4), 29.6.3(b)]

3. Testing Requirements

- a. Particulates

Compliance with the particulate emissions limitations contained in Condition I.D.1.a of this permit shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emission unit is or is not in compliance with the emissions limitation contained in Condition I.D.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

- b. Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.D.1.b of 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. [1.3.1, 1.3.2]

c. Sulfur Oxides

Compliance with the sulfur limitations contained in Condition I.D.1.c of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit. [29.6.3(b)]

4. Recordkeeping Requirements

a. The permittee shall measure and record the monthly fuel usage for Buildings 1312CP, 1112CP, 447CP, 678CP, 68CC-B1, 197CP, 291CP, 307CP, 1269CP, 688CP, W36CP, 1801CP and 1372CC. The fuel used in multiple combustion units which have equivalent NO_x emission rates may be measured and recorded monthly using a single metering device. If more than one type of fuel is used in the multiple combustion units the amount of each type fuel must be measured and record monthly.[27.6.3(a)]

b. The permittee shall maintain records verifying that a tune-up has been performed in accordance with Condition I.D.2.a of this permit. These records shall include the following information:

- (1) The date the tune-up was performed,
- (2) The name of the person who performed the tune-up,
- (3) The final excess oxygen setting, and
- (4) The O₂/CO curve or O₂/smoke curve that has been developed as part of the tune-up procedure. [27.6.8, 29.6.3(b), Approval Nos. 1779-1782(E)(6)]

E. Requirements for Emission Units 95CHI-B1, 95CHI-B2 95CHI-WH1, 95CHI-B3, 1CHI-B1, 1CHI-B2, 10CHI-B1, 109CHI-B1, 109CHI-B2, 109CHI-WH1, 114CHI-B1, 114CHI-B2, A138CHI-B1, 172CHI-B1, 172CHI-B2, 442CHI-B1, 442CHI-B2, 442CHI-WH1, 443CHI-B1, 443CHI-B2, 443CHI-WH1, 444CHI-B1, 444CHI-B2, 446CHI-B1, 684CHI-B1, 1163CP-WH1, 1164CHI-B1, 1268CHI-B1, 1268CHI-B2, 1284CHI-B1, 1284CHI-B2, A6NH-B1, A6NH-B2, A6NH-B3, 1276MID-B1, 1276MID-B2, 1362CHI-B1 and 1373CC-B1

The following requirements are applicable to:

- Emission units 95CHI-B1 and 95CHI-B2, each of which is a 3.753 MMBTU/Hr Weil McLain Water Tube Boiler, Model No. P-1288-S, which burns natural gas.
- Emission unit 95CHI-WH1, which is a 1.2 MMBTU/Hr PVI Hot Water Heater, Model No. 1500 NHE 250A TP, which burns natural gas.
- Emission unit 95CHI-B3, which is a 1.04 MMBTU/Hr Weil McLain Model No. LGB Series 2 Hot Water boiler, which burns natural gas.
- Emission units 1CHI-B1 and 1CHI-B2, each of which is a 5.845 MMBTU/Hr Weil-McLain Package Boiler, Model No. 1888S, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 10CHI-B1 which is a 1.357 MMBTU/Hr Weil-McLain Package Boiler, Model No. 588W, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 109CHI-B1 and 109CHI-B2, each of which is a 4.113 MMBTU/Hr Weil-McLain Package Boiler, Model No. 1388, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 109CHI-WH1, which is a 1.0 MMBTU/Hr AO Smith Hot Water Heater, Model No. BTP-200-1000, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 114CHI-B1 and 114CHI-B2, each of which is a 2.396 MMBTU/Hr Weil-McLain Package Boiler, Model No. 888S, which burns natural gas.
- Emission unit A138CHI-B1, which is a 1.05 MMBTU/Hr Fulton Boiler, Model No. CT-25, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 172CHI-B1 and 172CHI-B2, each of which is a 2.71 MMBTU/Hr Weil-McLain Package Boiler, Model No. 988W, which burns natural gas. [Approval Nos. 1779-1782]

- Emission units 442CHI-B1, 442CHI-B2, 443CHI-B1, 443CHI-B2, 444CHI-B1, and 444CHI-B2, each of which is a 3.10 MMBTU/Hr Weil-McLain Package Boiler, Model No. 1088W, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 442CHI-WH1 and 443CHI-WH1, each of which is a 2.396 MMBTU/Hr Weil-McLain Package Boiler, Model No. 888W, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 446CHI-B1, which is a 1.703 MMBTU/Hr Weil-McLain Package Boiler, Model No. 688W, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 684CHI-B1, which is a 1.357 MMBTU/Hr Weil-McLain Package Boiler, Model No. 588S, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 1163CP-WH1, which is a 1.50 MMBTU/Hr AO Smith Hot Water Heater, Model No. COF300-1500, which burns propane. [Approval Nos. 1779-1782]
- Emission unit 1164CHI-B1, which is a 1.01 MMBTU/Hr Weil-McLain Package Boiler, Model No. 488S, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units 1268CHI-B1 and 1268CHI-B2, each of which is a 2.396 MMBTU/Hr Weil-McLain Package Boiler, Model No. 888W, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 1284CHI-B1 and 1284CHI-B2, each of which is a 3.392 MMBTU/Hr Weil-McLain Package Boiler, Model No. 1188S, which burns natural gas. [Approval Nos. 1779-1782]
- Emission units A6NH-B1, A6NH-B2, and A6NH-B3, each of which is a 8.369 MMBTU/Hr Cleaver Brooks Fire Tube Boiler, Model No. CB600-200, which burns natural gas. [Approval No. 519]
- Emission units 1276MID-B1 and 1276MID-B2, each of which is a 6.3 MMBTU/Hr Superior Water Tube Boiler, Model No. 150HS, which burns natural gas. [Approval Nos. 1779-1782]
- Emission unit 1362CHI-B1, which is a 2.7 MMBTU/Hr, which is a Bryan Water Tube Boiler, Model No. CL-270 which burns natural gas.
- Emission unit 1373CC-B1, which is a 2.5 MMBTU/Hr Smith Model No. G28A-S-8 boiler, which burns natural gas.

1. Emission Limitations

a. Particulates

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input. [13.2.1]

b. 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. [1.2] 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. [1.4]

2. Operating Requirements

- a. The permittee shall tune 95CHI-B1, 95CHI-B2, , 95CHI-B3, 95CHI-WH1, 1CHI-B1, 1CHI-B2, 10CHI-B1, 109CHI-B1, 109CHI-B2, 109CHI-WH1, 114CHI-B1, 114CHI-B2, A138CHI-B1, 172CHI-B1, 172CHI-B2, 442CHI-B1, 442CHI-B2, 442CHI-WH1, 443CHI-B1, 443CHI-B2, 443CHI-WH1, 444CHI-B1, 444CHI-B2, 446CHI-B1, 684CHI-B1, 1163CP-WH1, 1164CHI-B1, 1268CHI-B1, 1268CHI-B2, 1284CHI-B1, 1284CHI-B2, 1362CHI-B1, A6NH-B1, A6NH-B2, A6NH-B3, 1276MID-B1, 1276MID-B2, 1373CC-B1 and 1362CHI-B1, at least once each year of operation, in accordance with the procedure described in Appendix A of APC Regulation No. 27. [27.4.2(c), 29.6.3(b), Approval No. 1779-1782(B)(4)]

3. Testing Requirements

a. Particulates

Compliance with the particulate emissions limitations contained in Condition I.E.1.a of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results

of which he has determined to be adequate for indicating whether the permittee is in compliance; or

- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation of Condition I.E.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.E.1.b of 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. [1.3.1, 1.3.2]

4. Recordkeeping Requirements

- a. The permittee shall measure and recorded the monthly fuel usage for Buildings 1CHI, 10CHI, 95CHI, 109CHI, 114CHI, A138CHI, 172CHI, 442CHI, 443CHI, 444CHI, 446CHI, 684CHI, 1163CP, 1164CHI, 1268CHI, 1284CHI, A6NH, 1276MID, 1362CHI and 1373CC. The fuel used in multiple combustion units which have equivalent NO_x emission rates may be measured and recorded monthly using a single metering device. If more than one type of fuel is used in the multiple combustion units the amount of each type fuel must be measured and record monthly. [27.6.3(a)]
- b. The permittee shall maintain records verifying that a tune-up has been performed in accordance with Condition I.E.2.a of this permit. These records shall include the following information:
 - (1) The date the tune-up was performed,
 - (2) The name of the person who performed the tune-up,
 - (3) The final excess oxygen setting, and

- (4) The O₂/CO curve or O₂/smoke curve that has been developed as part of the tune-up procedure. [27.6.8, 29.6.3(b), Approval No. 1779-1782(E)(6)]

F. Requirements for Emission Units 23NH-G1, 68NH-G1, 170CHI-G1, 158CHI-G1, 25CC-G1, 74CC-G1, 75CC-G1, 820MEL-G1, 987AMEL-G1, 1181AMEL-G1, 694MID-G1, 338ACP-G1, 315ACP-G1, 993NH-G1 and 361ACP-G1

The following requirements are applicable to:

- Emission unit 23NH-G1, which is a Kohler emergency generator, Model No. 450ROZD71 containing a 750 HP Detroit Diesel Internal Combustion Engine, Model No. 12VA089763 which burns diesel fuel.
- Emission unit 68NH-G1, which is a Kohler emergency generator, Model No. 150ROZJ71 containing a 250 HP John Deere Internal Combustion Engine, Model No. 6076AF-00, which burns diesel fuel.
- Emission unit 170CHI-G1, which is a Kohler emergency generator, Model No. 40ROZJ71 containing a 66 HP John Deere Internal Combustion Engine, Model No. 4039D, which burns diesel fuel.
- Emission unit 158CHI-G1, which is a Kohler emergency generator Model No. 80ROZJ71 containing a 150 HP John Deere Internal Combustion Engine, Model No. 6059TF, which burns diesel fuel.
- Emission unit 25CC-G1, which is a Kohler emergency generator, Model No. 50ROZJ81 containing a 100 HP John Deere Internal combustion Engine, Model No. 4039T, which burns diesel fuel.
- Emission unit 74CC-G1, which is a Kohler emergency generator, Model No. 125ROZJ71 containing a 211HP John Deere Internal Combustion Engine, Model No. 6076TF010, which burns diesel fuel.
- Emission unit 75CC-G1, which is a Kohler emergency generator, Model No. 150ROZD81 containing a 250 HP Detroit Diesel Internal Combustion Engine, Model No. 10637305, which burns diesel fuel.
- Emission unit 820MEL-G1, which is a Kohler emergency generator, Model No. 50ROZJ81 containing a 100 HP John Deere Internal Combustion Engine, Model No. 4039TF001, which burns diesel fuel.

- Emission unit 987AMEL-G1, which is a Kohler emergency generator, Model No. 40ROZJ61 containing a 66 HP John Deere Internal combustion Engine, Model No. 4039DT, which burns diesel fuel.
- Emission unit 1181AMEL-G1, which is a Kohler emergency generator, Model No. 40ROZ61 containing a 66 HP John Deere Internal Combustion Engine, Model No. 4039DF, which burns diesel fuel.
- Emission unit 694MID-G1, which is a Kohler emergency generator, Model No. 80ROZJ71 containing a 150 HP John Deere Internal Combustion Engine, Model No. 6059TF, which burns diesel fuel.
- Emission unit 338ACP-G1, which is a Kohler emergency generator, Model No. 150ROZD71 containing a 250 HP Detroit Diesel Internal Combustion Engine, Model No. 10637305, which burns diesel fuel.
- Emission unit 315ACP-G1, which is a Kohler emergency generator, Model No. 50ROZJ71 containing a 100 HP John Deere Internal Combustion Engine, Model No. 4039TF, which burns diesel fuel.
- Emission unit 361ACP-G1, which is a Kohler emergency generator, Model No. 80ROZJ81 containing a 150 HP John Deere Internal Combustion Engine, Model No. 6059TF, which burns diesel fuel.
- Emission unit 993NH-G1, which is a is 20 HP Kato generator Model No. 81855 with a Cummins Engine Model No. 37100442, which burns diesel fuel.

1. Emissions Limitations

a. Opacity

Visible emissions from each generator exhaust flue shall not exceed 10 percent opacity (six-minute average). [Approval No. 1341, 1367 & 1368(A)(2), 1.2] 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. [1.4]

b. Sulfur Oxides

All fuel burned in the generators shall contain no more than 0.5 percent sulfur by weight. [8.2, Approval No. 1341, 1367 & 1368(A)(1)]

2. Operating Requirements

- a. All emergency engines listed in Section I.F of this permit shall be operated less than 500 hours each during any consecutive 12 month period. If the hours of operation for any emergency engine exceed 500 hours in any 12 month period, that unit shall immediately be in compliance with RACT as specified in APC Regulation No. 27. [27.2.3, Approval No. 1341, 1367 & 1368(B)(2)]
- b. The combined maximum firing rate for the 14 generators shall not exceed 149.8 gallons per hour. [Approval No. 1341, 1367 & 1368(B)(1)]
- c. All emergency engines listed in Section I.H of this permit shall be operated as a mechanical or electrical power source when the primary power source has been rendered inoperable. This does not include power interruptions pursuant to an interruptible power service agreement. [Approval No. 1341, 1367 & 1368(B)(4-5), 27.1.8]

3. Monitoring requirements

- a. Each engine shall be equipped with a non-resettable elapsed time meter to indicate, in cumulative hours, the amount of time each engine has operated. [Approval No. 1341, 1367 & 1368(B)(3), 27.6.10(b)]

4. Testing Requirements

- a. Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.F.1.a of 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. [1.3.1, 1.3.2]

- b. Sulfur Oxides

Compliance with the sulfur limitations contained in Condition I.F.1.b of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit. [29.6.3(b)]

5. Recordkeeping Requirements

- a. The permittee shall, on a monthly basis, no later than (5) days after the first of the month, determine and record the hours of operation and fuel use for the previous (12) months for each engine. [Approval No. 1341, 1367 & 1368(C)(2), 27.6.10(c)]

6. Reporting Requirements

- a. 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 any emergency generator listed in Section I.F. of this permit. [27.6.10(d)]

G. Requirements for Emission Units 7CC-G1, A48CC-G1, 988MEL-G1, 62AMEL-G1, 1931CP-G1, A2CHI-G1, S41MEL-G1, 80MEL-G1, 683CHI-G1, 991CHI-G1, 1373CC-G1, 1396CC-G1, NorthGate-G1

The following requirements are applicable to:

- Emission unit 7CC-G1, which is a Caterpillar emergency generator, Model No. 3412 containing a 570 HP Caterpillar Internal Combustion Engine, Model No. 3412, which burns diesel fuel.
- Emission unit A48CC-G1, which is a Kohler emergency generator, Model No. 350ROZD71 containing a 550 HP Detroit Diesel Internal Combustion Engine, Model No. 23502463, which burns diesel fuel.
- Emission unit 1373CC-G1, which is a Kohler emergency generator, Model No. 350REOZV containing a 527 HP Volvo Internal Combustion Engine, Model No. D35012.1A65 which burns diesel fuel.
- Emission unit 988MEL-G1, which is a Superior emergency generator, Model No. 150R161 containing a 201 HP Hercules Engines Internal Combustion Engine, Model No. 4025116 which burns diesel fuel.
- Emission unit 62AMEL-G1, which is a Kohler emergency generator, Model No. 100ROZJ81 containing a 190 HP John Deere Internal Combustion Engine, Model No. 6059TF001 which burns diesel fuel.
- Emission unit 1931CP-G1, which is a Superior emergency generator, Model No. 80R731 containing a 80 HP Ford Internal Combustion Engine, Model No. LSG8756005E which burns propane fuel.
- Emission unit A2CHI-G1, which is a Superior emergency generator, Model No. 75R730 containing a 101 HP Ford Internal Combustion Engine, Model No. LS87516007Z which burns propane fuel.
- Emission unit S41MEL-G1, which is a Ferment emergency generator, Model No. 135DH containing a 121 HP Ferment Internal Combustion Engine, Model No. 4016020D4810X181 which burns diesel fuel.

- Emission unit 80MEL-G1, which is a Superior emergency generator, Model No. 100R161 containing a 134 HP Hercules Internal Combustion Engine, Model No. 4026639, which burns diesel fuel.
- Emission unit 683CHI-G1, which is an Onan emergency generator, Model No. 85.0KR-15R containing a 114 HP International Harvester Internal Combustion Engine, Model No. V549H, which burns propane fuel.
- Emission unit 991CHI-G1, which is a Kohler emergency generator, Model No. 85R72 containing a 107 HP International Harvester Internal Combustion Engine, Model No. UV549K0C11A/V549155378, which burns propane fuel.
- Emission units 1396CC-G1 and NorthGate-G1, each of which is a Kohler emergency generator, Model No. 125REOZJB containing a 190 HP John Deere Internal Combustion Engine, Model No. 6068TF, which burn diesel fuel.

1. Emissions Limitations

a. 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. [1.2] 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. [1.4]

b. Sulfur Oxides

Unless the Director declares in writing after a hearing that a shortage of low sulfur fuel exist, the permittee shall not use or store fuel with a sulfur content greater than 1.0% by weight. [8.2]

2. Operating Requirements

a. All emergency engines listed under Section I.G. of this permit shall be operated only as a mechanical or electrical power source when the primary power source has been rendered inoperable. This does not include power interruptions pursuant to an interruptible power service agreement. [27.1.8]

b. All emergency engines listed in Section I.G. of this permit shall be operated less than 500 hours each during any consecutive 12 month period. If the hours of operation for any emergency engine exceed 500 hours in any 12 month period, the unit shall immediately be in compliance with RACT as specified in APC Regulation No. 27. [27.2.3]

3. Monitoring Requirements

- a. The permittee shall maintain a non-resettable elapsed time meter on each emergency engine listed in Section I.G of this permit, to indicate, in cumulative hours, the elapsed engine operating time. [27.6.10(b)]

4. Testing Requirements

- a. Opacity

Test for determining compliance with the opacity emissions limitations specified in Condition I.G.1.a of 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. [1.3.1, 1.3.2]

- b. Sulfur Oxides

Compliance with the sulfur limitations contained in Condition I.G.1.b of this permit shall be determined by the procedures referenced in Condition II.U.2 of this permit. [29.6.3(b)]

5. Recordkeeping Requirements

- a. On a monthly basis, no later than 5 days after the first of the month, the permittee shall determine and record the hours of operation for each engine for the previous 12 month period. [27.6.10(c)]

6. Reporting Requirements

- a. 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 any emergency generator listed in Section I.I of this permit. [27.6.10(d)]

H. Requirements for Emission Units 1286CP-T1, 1286CP-T2 and 1286CP-T3

The following requirements are applicable to:

- Emission units 1286CP-T1, 1286CP-T2 and 1286CP-T3, which are underground 20,000 gallon gasoline storage tanks that are equipped with Stage I and Stage II vapor control systems.

1. Operating Requirements

Stage I Vapor Controls

- a. No person may transfer or cause or allow the transfer of gasoline from any delivery vessel into emission units 1286CP-T1, 1286CP-T2 and 1286CP-T3 unless the emission unit is equipped with a submerged fill pipe and the vapors displaced from 1286CP-T1, 1286CP-T2 and 1286CP-T3 during filling are processed by a vapor control system in accordance with Condition I.H.1.b. [11.5.2.1]
- b. The vapor control system required by Condition I.H.1.a shall include: [11.5.2.2]
 - (1) A vapor tight line from 1286CP-T1, 1286CP-T2 and 1286CP-T3 to the delivery vessel and a system that will ensure that vapors will be transferred from 1286CP-T1, 1286CP-T2 and 1286CP-T3 to the delivery vessel to include the following systems: [11.5.2.2(a)]
 - (a) Installation of pressure-vacuum (PV) vent valve. PV valve relief settings must be 3, plus or minus 0.5, inches of water column pressure and 8, plus or minus 2, inches water column vacuum, unless otherwise specified in the applicable CARB certification. [11.5.2.2(a)(1), 11.10.2.1(d)]
 - (b) The vapor tight line from 1286CP-T1, 1286CP-T2 and 1286CP-T3 to the delivery vessel must be equipped with interlocking connections which will prevent fuel delivery unless the vapor line is connected. [11.5.2.2(a)(2)]
- c. The permittee shall repair, replace or modify any worn out or malfunctioning component or element of design. [11.5.2.4(c)]
- d. The permittee shall maintain gauges, meters or other specified equipment in proper working order. [11.5.2.5(a), 11.5.3.1(a)]

Stage II Vapor Controls

- e. No person, owner, operator or employee of a gasoline dispensing facility shall dispense or allow the dispensing of gasoline from 1286CP-T1, 1286CP-T2 and 1286CP-T3 into any motor vehicle fuel tank unless each gasoline dispenser is equipped with a properly operating Stage II vapor collection and control system certified by the California Air Resource Board. [11.10.2.2]

- f. The permittee shall install, at each gasoline dispensing pump, a stage II vapor collection and control system that has been certified by the California Air Resources Board (CARB) as having a minimum control efficiency of 95 percent by weight and make any modifications to the facility necessary to properly operate the system. All hoses in the system shall be coaxial. The system may include aftermarket parts, provided that those parts have been certified by CARB. [11.10.2.1(a)]
- g. All stage II vapor and vent piping shall be made of a nonmetallic rigid type material unless the CARB certification for that Stage II system specifies that another type of piping may be used. [11.10.2.1(c)]
- h. At all times, at least one person who has attended a Stage II training session applicable to the Stage II system in operation at the facility must be employed at the facility. [11.10.2.1(e)]
- i. The permittee shall conspicuously post operating instructions for dispensing gasoline using the vapor collection and control system on the front of each gasoline dispensing pump. Such instructions must include a warning not to attempt continued refueling after initial automatic shutoff. Instructions shall also include the telephone number of the Department and a request that inoperative control devices be reported. [11.10.2.1(f)]
- j. The permittee shall maintain the Stage II vapor collection and control system in proper operating condition as specified by the manufacturer and free of defects that would impair the effectiveness of the system, as defined by the state inspection criteria. [11.10.2.1(g)]
- k. The permittee shall visually inspect all aboveground parts of the Stage II vapor collection and control system once a week. Such an inspection must, at a minimum, include checking for: missing components; slits and tears in nozzle boots; face cone defects; flattened, kinked or torn hoses; and faceplate defects which hinder contact with the fill inlet area. [11.10.2.1(h)]
- l. The permittee shall remove from service any dispenser if: [11.10.2.1(i)]
 - (1) Any part of the Stage II vapor collection and control system associated with that dispenser fails a compliance test conducted by or ordered by the Department or is found to be defective during a Department inspection, or [11.10.2.1(i)(1)]

- (2) Any part of the Stage II vapor collection and control system Associated with that dispenser is not operating properly, or [11.10.2.1(i)(2)]
- (3) Any part of the Stage II vapor collection and control system associated with that dispenser is found to be defective during visual inspection performed in accordance with Condition I.H.1.i of this permit. [11.10.2.1(i)(3)]

If the defect is in a single hose or nozzle on a multiproduct dispenser, only the nozzle associated with the defect must be removed from service.

- m. Any dispenser removed from service on the basis of test results shall be kept out of service until it has been demonstrated by retesting that the dispenser is in compliance. Any dispenser removed from service in accordance with any other provision of this subsection shall be kept out of service until all defective or missing parts of the Stage II vapor collection and control system associated with the dispenser have been repaired or replaced. [11.10.2.1(i)]

2. Testing Requirements

Stage I Vapor Controls

- a. Compliance test methods to be used will follow Appendix B - Gasoline Vapor Leak Detection Procedures by Combustible Gas Detector, which is detailed in the USEPA document entitled Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems, EPA-450/2-78-051, OAQPS No. 1.2-119. [11.5.5.1]
- b. The compliance test method will be used to determine if a vapor-tight condition exists in the line from 1286CP-T1, 1286CP-T2 and 1286CP-T3 to the delivery vessel during gasoline transfer. [11.5.5.2(a)]

Stage II Vapor Controls

- c. Testing shall include all tests listed in Subsection 11.10.3.3 of Air Pollution Control Regulation No. 11. The function of all Stage II vapor collection and control systems shall be retested prior to operation of the system after any major system modification. A major system modification is considered to be the occurrence of any one of the following: [11.10.3.4]

- (1) A modification which would cause the facility to be a substantially modified gasoline dispensing facility, as defined in subsection 11.1.21 of Air Pollution Control regulation No. 11 or [11.10.3.4(a)]
 - (2) The repair or replacement of any part of an underground piping system attached to a stationary storage tank equipped with a Stage II system, excluding repairs which occur without excavation, or [11.10.3.4(b)]
 - (3) The change from one certified Stage II system configuration to another. [11.10.3.4(c)]
- d. The function of all Stage II vapor collection and control systems shall be retested periodically according to the following schedule: [11.10.3.5]
- (1) A Leak Test, a Vapor Space Tie Test and a Ten Gallon per Minute Test shall be performed annually; [11.10.3.5(a)]
 - (2) A Liquid Blockage Test shall be performed once every three years on every nozzle on the Stage II system; and [11.10.3.5(b)]
 - (3) An Air to Liquid Ratio Test shall be performed annually on all vacuum assist systems; and [11.10.3.5(c)]
 - (4) All other tests required in the CARB certification applicable to that Stage II system shall be performed according to the frequency specified in that certification. [11.10.3.5(d)]
- e. The Office of Air Resources may require a retest of the system any time that an inspection indicates that the vapor collection and control system may not be functioning properly. [11.10.3.6]
- f. Leak, Liquid Blockage, and Vapor Space Tie Tests performed pursuant to the requirements of Section I.H. of this permit shall use the methodology specified in USEPA's Technical Guidance B Stage II Vapor Recovery Systems for Control of Vehicle Refueling of Gasoline Dispensing Facilities, Volumes I and II, November 1991. Ten Gallon per Minute Tests, Air to Liquid Ratio Tests, and any additional test required by the applicable CARB certification shall be performed using the current CARB methodology for those tests, unless otherwise specified by the Director. [11.10.3.8]

3. Recordkeeping Requirements

Stage II Vapor Controls

- a. The following records shall be maintained for a period of five years (unless otherwise noted) and shall be made available for inspection by representatives of the Office of Air Resources or the USEPA on request: [11.10.3.9]
- (1) Dates and results of weekly visual inspections as required in Condition I.H.1.i of this permit. [11.10.3.9(a)]
 - (2) Date that any gasoline dispenser is removed from operation in compliance with the requirements specified in Condition I.H.1.j of this permit and date that dispenser is returned to service. [11.10.3.9(b)]
 - (3) Identification of parts of the Stage II vapor collection and control system that are repaired or replaced, and dates of such replacements, [11.10.3.9(c)]
 - (4) Identification of any tests performed and the dates and results of such tests, and [11.10.3.9(d)]
 - (5) Proof of attendance and completion of training for each employee who has received Stage II training. Such documentation shall be maintained as long as the employee continues to be employed by the facility. [11.10.3.9(e)]

Records maintained pursuant to Conditions I.H.3.a(1), I.H.3.a(2) and I.H.3.a(3) of this permit, for the two most current years shall be kept at the facility. The records specified in Conditions I.H.3.a(4) and I.H.3.a(5) shall be kept either at the facility or at a centralized location approved by the Office of Air Resources. [11.10.3.9]

4. Reporting Requirements

Stage I Vapor Controls

- a. The operator of the gasoline dispensing facility shall:
 - (1) Maintain and operate the control system in accordance with the specifications and the operating and maintenance procedures specified by owner. [11.5.2.5(a)]
 - (2) Promptly notify the owner of the control system of any schedule maintenance or malfunction requiring replacement or repair of major components in the system. [11.5.2.5(b)]

Stage II Vapor Controls

- b. The permittee of a facility shall notify the Office of Air Resources of the date that testing will be conducted as least seven (7) days in advance of testing and shall certify of the Office of Air Resources in writing within 15 days of the test that testing has been completed. Such certification shall be signed by the permittee and shall include the date of instillation of the Stage II vapor collection and control system and the results of the tests required in Conditions I.H. of this permit. Test results shall be signed and certified as accurate by the person who conducted the test. [11.10.3.7]
- c. When requested by the Department, the permittee shall report the following information to the Department in writing:
 - (1) Name and address of the facility,
 - (2) Name and address of owner or operator or other responsible individual,
 - (3) Number of nozzles used to dispense gasoline at the facility, and
 - (4) Monthly throughput for each of the previous 12 months [11.10.3.1]
- d. At least thirty (30) days prior to the installation of a Stage II system, the permittee shall notify the Department in writing of the expected date of initiation of installation of the underground piping and the type and manufacturer of the Stage II equipment. Such notification shall not be deemed to be an approval by the Department of the equipment being installed, or as compliance with the requirements of this section. [11.10.3.2]

I. Requirements for Emission Units 1275MID-F1, 1275MID-F2, 1275MID-F3, 1275MID-F4, 1275MID-F5, 1275MID-F6, 1275MID-F7, 1275MID-F8 and 1275MID-F9

The following requirements are applicable to Emission units 1275MID-F1 - 1275MID-F9, which are Fire Fighter School Simulation Burners. Each burner uses liquefied propane gas (LPG) to simulate fires on Naval vessels.

- Emission units 1275MID-F1, 1275MID-F2 and 1275MID-F9 each have a maximum heat input of 10.60 MMBTU/Hr, which burn LPG.
- Emission units 1275MID-F3, 1275MID-F4, 1275MID-F7 and 1275MID-F8 each have a maximum heat input of 1.50 MMBTU/Hr, which burn LPG.
- Emission units 1275MID-F5 and 1275MID-F6 each have a maximum heat input of 3.00 MMBTU/Hr, which burn LPG.

1. Emission Limitations

a. 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. [1.2] 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. [1.4]

2. Testing Requirements

a. Opacity

Tests for determining compliance with the opacity limitations contained in Condition I.I.1.a of 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. [1.3.1, 1.3.2]

J. Requirements for Emission Units 27CHI-CH1 and 27CHI-CH2

The following requirements are applicable to:

- Emission unit 27CHI-CH1, which is a TecoChill chiller, Model No. CH-250 DT Series which contains two TecoDrive 133 HP Internal Combustion engines which burn natural gas.

- Emission unit 27-CHI-CH2, which is a TecoChill chiller, Model No. CH-150ST Series which contains one TecoDrive 161 HP Internal Combustion engines which burn natural gas.
- Emission units 27CHI-CH1 and 27CHI-CH2 are equipped with 27CHI-APC-001 and 27CHI-APC-002 which are TecoDrive Non-Selective Catalytic Reduction Systems, Model Nos. 7400LE Level 1.

1. Emission Limitations

Emission Unit 27CHI-CH1

- a. Nitrogen oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from each engine of 27CHI-CH1 shall not exceed 1.5 grams/hp-hr or 0.44 lbs/hr, whichever is more stringent. [Approval No. 1604-1606(A)(1)]

- b. Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from each engine of 27CHI-CH1 engine shall not exceed 1.5 grams/hp-hr or 0.44 lbs/hr, whichever is more stringent. [Approval No. 1604-1606(A)(2)]

- c. Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from each engine of 27CHI-CH1 shall not exceed 1.5 grams/hp-hr or 0.44 lbs/hr, whichever is more stringent. [Approval No. 1604-1606(A)(3)]

Emission Unit 27CHI-CH2

- d. Nitrogen oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from each engine of 27CHI-CH2 shall not exceed 1.5 grams/hp-hr or 0.53 lbs/hr, whichever is more stringent. [Approval No. 1604-1606(B)(1)]

- e. Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from each engine of 27CHI-CH2 shall not exceed 1.5 grams/hp-hr or 0.53 lbs/hr, whichever is more stringent. [Approval No. 1604-1606(B)(2)]

f. Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from each engine of 27CHI-CH2 shall not exceed 1.5 grams/hp-hr or 0.53 lbs/hr, whichever is more stringent. [Approval No. 1604-1606 (B)(3)]

g. Visible emissions from each engine in 27CHI-CH1 and 27CHI-CH2 shall not exceed 10% opacity except for a period or periods aggregating no more than three minutes in any one-hour. This visible emission limitation shall not apply during startup of each engine. Engine startup shall be defined as the first ten minutes of firing following the initiation of firing. [Approval No. 1604-1606(C)(2), 1.2] 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. [1.4]

2. Operating Requirements

a. Each engine in 27CHI-CH1 and 27CHI-CH2 shall not operate more than 8,000 equivalent full load hours in any 12-month period. [Approval No. 1604-1606(C)(1)]

b. 27CHI-APC-001 and 27CHI-APC-002 shall be operated at all times when 27CHI-CH1 and 27CHI-CH2 are operating. [Approval No. 1604-1606(C)(3)]

c. The inlet temperature of 27CHI-APC-001 and 27CHI-APC-002 shall be maintained at or above 700°F whenever engine exhaust is being discharged to the system. [Approval No. 1604-1606 (C)(4), 29.6.3(b)]

d. The outlet temperature of 27CHI-APC-001 and 27CHI-APC-002 shall never exceed 1400° F. [Approval No. 1604-1606(C)(5), 29.6.3(b)]

e. 27CHI-APC-001 and/or 27CHI-APC-002 shall be operated and maintained according to the manufacturer's specifications. [16.2]

f. In the case of malfunction of 27CHI-APC-001 and/or 27CHI-APC-002, 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 27CHI-APC-001 and/or 27CHI-APC-002, is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate 27CHI-CH1 and/or 27CHI-CH2 beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following:

- (1) Identification of the specific air pollution control system (ie. 27CHI-APC-001 and/or 27CHI-APC-002) and the source on which it is installed (ie. 27CHI-CH1 and /or 27CHI-CH2),
- (2) The expected period of time that the control system will be malfunctioning or out of service,
- (3) The nature and quantity of air contaminants likely to be emitted during malfunction/down-time,
- (4) Measures that will be taken to minimize the length of the malfunction/down-time, and
- (5) The reasons it would be impossible or impractical to cease the source operation during the malfunction/down-time. [16.3(a-e)]

3. Monitoring Requirements

- a. Each engine in 27CHI-CH1 and 27CHI-CH2 shall be equipped with an equivalent full load hour meter to indicate, elapsed operating time in equivalent full load hours. [Approval No. 1604-1606(D)(1)]
- b. Each engine in 27CHI-CH1 and 27CHI-CH2 shall be equipped with a non-resettable elapsed time meter to indicate, in cumulative hours, the elapsed operating time. [Approval No. 1604-1606(D)(2)]
- c. Each engine in 27CHI-CH1 and 27CHI-CH2 shall be equipped with an O₂ sensor in the exhaust system to sense the amount of oxygen in the engine exhaust. Each O₂ sensor shall be replaced every 1,500 equivalent full load hours or 3,000 operating hours, whichever comes first. [Approval No. 1604-1606(D)(3), 29.6.3(b)]
- d. The inlet and outlet temperature to 27CHI-APC-001 and 27CHI-APC-002 shall be continuously monitored. [Approval No. 1604-1606(D)(4), 29.6.3(b)]
- e. 27CHI-APC-001 and 27CHI-APC-002 shall have access ports at the inlet and outlet of the NSCR system to allow for pressure drop measurements. [Approval No. 1604-1606(D)(5), 29.6.3(b)]

4. Testing Requirements

- a. Tests for determining compliance with the opacity limitation specified in Condition I.J.1.g. of 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. [1.3.1, 1.3.2]

5. Recordkeeping Requirements

- a. The permittee shall, on a monthly basis, no later than 5 days after the first of each month, determine and record the full load equivalent operating hours and actual operating hours for each engine in 27CHI-CH1 and 27CHI-CH2 for the previous 12-month period. [Approval No. 1604-1606(F)(1)]
- b. The permittee shall, maintain records to certify that each O₂ sensor has been replaced at least once every 1,500 equivalent full load hours or 3,000 operating hours, whichever comes first. [Approval No. 1604-1606(F)(3), 29.6.3(b)]
- c. The permittee shall, at least once per month, record the following information for each month in which the 27CHI-CH1 and 27CHI-CH2 has operated. [Approval No. 1604-1606(F)(4)(a-b), 29.6.3(b)]
 - (1) Temperature measurements across each engine in 27CHI-APC-001 and 27CHI-APC-002, the date of the measurement, and the operating hours of 27CHI-CH1 and 27CHI-CH2 at the time of measurement. [Approval No. 1604-1606(F)(4)(a), 29.6.3(b)]
 - (2) Pressure drop measurements across each engine in 27CHI-APC-001 and 27CHI-APC-002, the date of the measurement, and the operating hours of 27CHI-CH1 and 27CHI-CH2 at the time of measurement. [Approval No. 1604-1606(F)(4)(b), 29.6.3(b)]

The permittee shall keep records of this information and provide such records of this information and provide such records to the Office of Air Resources or its authorized representative and USEPA upon request. [Approval No. 1604-1606(F)(4), 29.6.3(b)]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources, in writing, whenever the hours of operation in any 12-month period exceeds 8,000 full load equivalent operating hours for 27CHI-CH1 and 27CHI-CH2. [Approval No. 1604-1606 (F)(2)]
- b. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.J. of this permit or any other applicable air pollution control rules and regulations. [Approval No. 1604-1606(F)(6)]

7. Malfunctions

- a. Malfunction means a sudden and unavoidable breakdown of process or control equipment. In the case of a malfunction of 27CHI-APC-001 and/or 27CHI-APC-002, 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 27CHI-APC-001 and/or 27CHI-APC-002 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 Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include, but is not limited to, the following: [Approval 1604-1606(G)(1)(a-e), 16.3]
 - (1) Identification of the specific air pollution control system and source on which it is installed; [Approval 1604-1606(G)(1)(a), 16.3(a)]
 - (2) The expected period of time that the air pollution control system will be malfunctioning or out of service; [Approval 1604-1606(G)(1)(b), 16.3(b)]
 - (3) The nature and quantity of air contaminants likely to be emitted during said period; [Approval 1604-1606(G)(1)(c), 16.3(c)]
 - (4) Measures that will be taken to minimize the length of said period; [Approval 1604-1606(G)(1)(d), 16.3(d)]
 - (5) The reasons that it would be impossible or impractical to cease the source operation during said period. [Approval 1604-1606(G)(1)(e), 16.3(e)]

- b. The permittee may seek to establish that a malfunction of 27CHI-APC-001 and/or 27CHI-APC-002 that would result in noncompliance with any of the terms of Section I.J. 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 1604-1606(G)(2)(a-g)]
- (1) The malfunction was not attributable to improperly designed equipment, lack of preventative maintenance, careless or improper operation or operator error; [Approval 1604-1606(G)(2)(a)]
 - (2) The malfunction is not part of a recurring pattern indicative of inadequate design, operation or maintenance; [Approval 1604-1606(G)(2)(b)]
 - (3) Repairs 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. [Approval 1604-1606(G)(2)(c)]
 - (4) All possible steps were taken to minimize emissions during the period of time that repairs were performed. [Approval 1604-1606(G)(2)(d)]
 - (5) Emissions during the period of time that the repairs were performed will not: [Approval 1604-1606(G)(2)(e)]
 - (a) Cause and 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 1604-1606(G)(2)(e)(i)]
 - (b) Cause or contribute to air pollution in violation of any applicable state or national ambient air quality standard. [Approval 1604-1606(G)(2)(e)(ii)]
 - (6) The reasons that it would be impossible or impractical to cease the source operation during said period. [Approval 1604-1606(G)(2)(f)]
 - (7) The permittees actions in response to the excess emissions were documented by properly signed, contemporaneous operating logs or other relevant evidence. [Approval 1604-1606(G)(2)(g)]

This demonstration must be provided to the Office of Air Resources 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. [Approval 1604-1606(G)(2)]

The permittee shall have the burden of proof in seeking to establish that noncompliance was due to unavoidable increase in emissions attributable to the malfunction. [Approval 1604-1606(G)(2)]

8. Other Requirements

- a. To the extent consistent with the requirements of Section I.J 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 No. 1604-1606(H)(1)]
- b. 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 No. 1604-1606(H)(3)]

K. Requirements for Emission Units 71CHI-B1, 52 CHI-B1, 1268CHI-WH1, 1284CHI-WH1, 440CP-B1 and 690CP-B1

- Emission unit 71CHI-B1, which is a 0.120 MMBTU/Hr, Boiler Model No., which burns natural gas.
- Emission unit 52CHI-B1, which is a 0.99 MMBTU/hr boiler, which burns natural gas.
- Emission unit 1268CHI-WH1, which is a 0.140 MMBTU/Hr, hot water heater, which burns natural gas.
- Emission unit 1284CHI-WH1, which is a 0.140 MMBTU/Hr, hot water heater, which burns natural gas.
- Emission unit 440CP-B1, which is a 0.610 MMBTU/Hr, Boiler Model No., which burns No.2 fuel oil.

- Emission unit 690CP-B1, which is a 0.959 MMBTU/Hr, Boiler Model No., which burns No.2 fuel oil.

There are no specific applicable requirements for 71CHI-B1, 52CHI-B1, 1268CHI-WH1, 1284CHI-WH1, 440CP-B1 and 690CP-B1. This does not relieve the permittee from compliance with the provisions of the Facility Requirements in Section I.N. of this permit or the General Conditions, outlined in Section II of this permit, as they apply to 71CHI-B1, 52CHI-B1, 1268CHI-WH1, 1284CHI-WH1, 440CP-B1 and 690CP-B1.

L. Requirements for Emission Units 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3

The following requirements are applicable to:

- Emission units 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 each of which is a 16.75 MMBTU/Hr Cleaver Brooks Fire Tube Boiler, Model No. CB400S, which is capable of burning natural gas and No. 2 fuel oil.

1. Emission limitations

a. Natural Gas Firing

(1) Nitrogen oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from each boiler shall not exceed 0.12 lbs per million BTU heat input or 2.01 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(a)(1)]

(2) Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from each boiler shall not exceed 0.15 lbs per million BTU heat input or 2.51 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(a)(2)]

(3) Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from each boiler shall not exceed 0.016 lbs per million BTU heat input or 0.27 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(a)(3)]

b. Oil Firing

(1) Nitrogen Oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from each boiler shall not exceed 0.25 lbs per million BTU heat input or 4.19 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(b)(1)]

(2) Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from each boiler shall not exceed 0.07 lbs per million BTU heat input or 1.17 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(b)(2)]

(3) Sulfur Dioxide (SO₂)

(a) All fuel burned in each boiler shall contain no more than 0.3 percent sulfur by weight. [Approval Nos. 1779-1782(A)(1)(b)(3)(a), 8.2, 40 CFR 60.42c(d)]

(b) The emission rate of sulfur dioxide discharged to the atmosphere from each boiler shall not exceed 5.03 lbs/hr. [Approval Nos. 1779-1782(A)(1)(b)(3)(b)]

(4) Particulate Matter

The emission rate of particulate matter discharged to the atmosphere from each boiler shall not exceed 0.025 lbs per million BTU heat input or 0.42 lbs/hr whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(b)(4), 13.2.1]

(5) Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from each boiler shall not exceed 0.025 lbs per million BTU heat input or 0.42 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(1)(b)(5)]

c. Visible emissions from each boiler stack shall not exceed 10% opacity (6-minute average). [Approval Nos. 1779-1782(A)(3), 1.2, 40 CFR 60.43c(c)] 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. [1.4]

2. Operating Requirements

- a. The maximum firing rate of 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 shall not exceed 16,750 ft³/hr of natural gas or 119.5 gal/hr of No. 2 fuel oil. [Approval Nos. 1779-1782(B)(2)]
- b. The permittee shall tune emission units 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 at least once each year of operation, in accordance with the procedure described in Appendix A of APC Regulation No. 27. [27.4.2(c), Approval Nos. 1779-1782(B)(4), 29.6.3(b)]

3. Monitoring Requirements

- a. Continuous emission monitoring equipment shall be operated and maintained for opacity when the 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 are operating on fuel oil. [Approval Nos. 1779-1782(C)(1), 6.2.1, 29.6.3(b)]

4. Testing Requirements

- a. Particulates

Compliance with the particulate emissions limitations contained in Conditions I.L.1.b(4) of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation of Conditions I.L.1.b(4) of this permit based on available information including, but not limited to, type of fuel burned,

design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Tests for determining compliance with the opacity limitations specified in Condition I.L.1.c of this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix.

c. Sulfur Dioxide (SO₂)

- (1) Compliance with the fuel oil sulfur limits in Condition I.L.1.b(3)(a-b) of this permit may be determined based on a certification from the fuel supplier. [Approval Nos. 1779-1782(D)(1), 40 CFR 60.42c(h)(1), 40 CFR 60.44c(h), 29.6.3(b)]
- (2) Fuel supplier certifications shall include the following information: [40 CFR 60 .48c(f), Approval Nos. 1779-1782 (D)(1)]
 - (a) The name of the fuel supplier; [Approval Nos. 1779-1782(D)(1)(a), 40 CFR 60.48c(f)(1)(i), 29.6.3(b)]
 - (b) The sulfur content of the fuel from which the shipment came or the shipment itself; [Approval Nos. 1779-1782(D)(1)(b), 40 CFR 60.48c(f)(1)(ii), 29.6.3(b)]
 - (c) The location of the fuel when the sample was drawn for analysis to determine the sulfur content of the fuel, specifically including whether the fuel was sampled as delivered to Naval Station Newport or whether the sample was drawn from fuel in storage at the fuel supplier's facility or another location; [Approval Nos. 1779-1782(D)(1)(c), 29.6.3(b)]
 - (d) The method used to determine the sulfur content of the fuel. [Approval Nos. 1779-1782(D)(1)(d), 29.6.3(b)]
- (3) As an alternative to fuel oil certification, the permittee may elect to sample the fuel oil prior to combustion. Sampling and analysis shall be conducted for the fuel in the initial tank(s) of fuel oil to be fired in emission units 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 and after each new shipment of fuel is received. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel oil is combusted. [Approval Nos. 1779-1782(D)(2), 29.6.3(b)]

- (4) Each fuel supplier certification or each fuel oil analysis must demonstrate that the oil contains 0.3 percent sulfur by weight or less. [Approval Nos. 1779-1782(D)(3), 29.6.3(b)]

5. Recordkeeping Requirements

- a. The permittee shall record and maintain records of the amounts of fuel oil combusted during each day. [40 CFR 60.48c(g), 29.6.3(b)]
- b. The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3. [40 CFR 60.7(b)]
- c. The permittee shall retain copies of all fuel supplier certifications. These records shall be made accessible for review by the Office of Air Resources or USEPA. [Approval Nos. 1779-1782(E)(5), 40 CFR 60.48c(e)(11), 29.6.3(b)]
- d. The permittee shall maintain records verifying that a tune-up has been performed in accordance with Condition I.L.2.b of this permit. These records shall include the following information:
 - (1) The date the tune-up was performed,
 - (2) The name of the person who performed the tune-up,
 - (3) The final excess oxygen setting, and
 - (4) The O₂/CO curve or O₂/smoke curve that has been developed as part of the tune-up procedure. [27.6.8, 29.6.3(b), Approval Nos. 1779-1782(E)(6)]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.L of this permit or any other applicable air pollution control rules and regulations. [Approval Nos. 1779-1782(E)(8)]
- b. The permittee shall submit to the USEPA a report as specified in 40 CFR 60.48c(d). The reporting period for this report is each six-month period. Each submittal shall be postmarked by the 30th day following the end of the reporting period. Each report shall include the following information:[40 CFR 60.48c(j), 40 CFR 60.48c(d), 40 CFR 60.48c(e)]

- (1) Calendar dates covered in the reporting period. [40 CFR 60.48c(e)(1)]
- (2) Records of fuel supplier certifications as described in condition I.L.4.c(2) of this permit. [40 CFR 60.48c(e)(11)]
- (3) A certified statement signed by the permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period for the emission units. [40 CFR 60.48c(e)(11)]

7. Other Requirements

- a. To the extent consistent with the requirements of Section I.L 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 preconstruction permit application. [Approval Nos. 1779-1782(F)(1)]
- b. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 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. 1779-1782(F)(3), 40 CFR 60.11(d)]
- c. Emission units 27ACHI-B1, 27ACHI-B2, and 27ACHI-B3 are subject to the requirements of 40 CFR 60, Subparts A (General Provisions) and Dc (Small Industrial-Commercial-Institutional Steam Generating Units). Compliance with all applicable provisions of these regulations is required. [Approval Nos. 1779-1782(F)(4)]
- d. The sulfur dioxide emission limits and fuel oil sulfur limits in Section I.L of this permit shall apply at all times, including periods of startup, shutdown and malfunction. [40 CFR 60.42c(i)]
- e. The particulate matter and opacity standards in Section I.L of this permit shall apply at all times, except during periods of startup, shutdown and malfunction. [40 CFR 60.43c(d)]

M. Requirements for Emission Unit 292CP-B1

The following requirements are applicable to:

- Emission unit 292CP-B1 which is a 4.76 MMBTU/Hr Cleaver Brooks Space Heater, Model No. CB125S, which burns No. 2 fuel oil.

1. Emission limitations

a. Nitrogen Oxides (as nitrogen dioxide (NO₂))

The emission rate of nitrogen oxides discharged to the atmosphere from the boiler shall not exceed 0.25 lbs per million BTU heat input or 1.19 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(2)(a)]

b. Carbon Monoxide (CO)

The emission rate of carbon monoxide discharged to the atmosphere from the boiler shall not exceed 0.07 lbs per million BTU heat input or 0.33 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(2)(b)]

c. Sulfur Dioxide (SO₂)

(1) All fuel burned in the boiler shall contain no more than 0.3 percent sulfur by weight. [Approval Nos. 1779-1782(A)(2)(c)(1), 8.2]

(2) The emission rate of sulfur dioxide discharged to the atmosphere from the boiler shall not exceed 1.47 lbs/hr. [Approval Nos. 1779-1782(A)(2)(c)(2)]

d. Particulate Matter

The emission rate of particulate matter discharged to the atmosphere from the boiler shall not exceed 0.025 lbs per million BTU heat input or 0.12 lbs/hr whichever is more stringent. [Approval Nos. 1779-1782(A)(2)(d), 13.2.1]

e. Total Nonmethane Hydrocarbons (NMHC)

The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from the boiler shall not exceed 0.025 lbs per million BTU heat input or 0.12 lbs/hr, whichever is more stringent. [Approval Nos. 1779-1782(A)(2)(e)]

f. Visible emissions from the boiler stack shall not exceed 10% opacity (6-

minute average). [Approval Nos. 1779-1782(A)(3), 1.2] 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. [1.4]

2. Operating Requirements

- a. The maximum firing rate of 292CP-B1 shall not exceed 34 gal/hr of # 2 fuel oil. [Approval Nos. 1779-1782(B)(3)]
- b. The permittee shall tune emission unit 292CP-B1 at least once each year of operation, in accordance with the procedures described in Appendix A of APC Regulation No. 27 [Approval Nos. 1779-1782(B)(4),27.4.2(c)]

3. Testing Requirements

- a. Particulates

Compliance with the particulate emissions limitations contained in Conditions I.M.1.d of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or
- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and the USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and the USEPA may determine that an emissions unit is or is not in compliance with the emissions limitation of Conditions I.M.1.d of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

- b. Opacity

Tests for determining compliance with the opacity limitations specified in Condition I.M.1.f of 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. [1.3.1, 1.3.2]

- c. Sulfur Dioxide (SO₂)
 - (1) Compliance with the fuel oil sulfur limits in Condition I.M.1.c(1-2) of this permit shall be determined by the procedures in Condition II.U.2 of this permit.[Approval Nos. 1779-1782(D)(1), 29.6.3(b)]
 - (2) Each fuel supplier certification or each fuel oil analysis must demonstrate that the oil contains 0.3 percent sulfur by weight or less. [Approval Nos. 1779-1782(D)(3), 29.6.3(b)]

4. Recordkeeping Requirements

- a. The permittee shall retain copies of all fuel supplier certifications. These records shall be made accessible for review by the Office of Air Resources or USEPA. [Approval Nos. 1779-1782(E)(5), 29.6.3(b)]
- b. The permittee shall maintain records verifying that a tune-up has been performed in accordance with Condition I.L.2.b of this permit. These records shall include the following information:
 - (1) The date the tune-up was performed,
 - (2) The name of the person who performed the tune-up,
 - (3) The final excess oxygen setting, and
 - (4) The O₂/CO curve or O₂/smoke curve that has been developed as part of a tune-up procedure. [27.6.8, 29.6.3(b), Approval Nos. 1779-1782(E)(6)]

5. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms of Section I.M. of this permit or any other applicable air pollution control rules and regulations. [Approval Nos. 1779-1782(E)(8)]

6. Other Requirements

- a. To the extent consistent with the requirements of Section I.M. 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 preconstruction permit application. [Approval Nos. 1779-1782(F)(1)]
- b. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate 292CP-B1 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. 1779-1782(F)(3)]

N. Facility Requirements

The following requirements are applicable to the facility in general; and apply where appropriate, in addition to those provisions in Section II of this permit:

1. Operating Requirements

- a. Annual fuel usage for Emission Units 7CC-B1, 7CC-B2 and 7CC-B3 shall not exceed 7,590,000 gallons (12 month rolling average). [Approval No. 884(II)(A)(2), and Approval No. 993 & 994(II)(A)(2)]
- b. The permittee shall limit the combined quantity of fuel combusted in the fuel burning devices listed in Appendix A of this permit to 779,000 gallons of No. 2 fuel oil or less and 189,400,000 cubic feet of natural gas or less for any consecutive 12 month period. [Approval Nos. 1779-1782(B)(1)]

2. Recordkeeping Requirements

- a. The permittee shall maintain records of fuel oil used in Emission Units 7CC-B1, 7CC-B2 and 7CC-B3. [Approval No. 884(V)(E), and Approval No. 993 & 994(V)(E)]
- b. The permittee shall, on a monthly basis, no later than 5 days after the first of the month, determine the total quantity of fuel combusted in the fuel burning devices specified in Appendix A of this permit for the previous 12 months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval Nos. 1779-1782(E)(3)]

3. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources in writing within 30 days, whenever the total quantity of fuel usage for the fuel burning devices specified in Appendix A of this permit exceeds 779,000 gallons of #2 fuel oil or 189,400,000 cubic feet of natural gas for any consecutive 12-month period. [Approval Nos. 1779-1782(E)(4)]

4. Lead Paint Removal

- a. Lead paint removal from exterior surfaces shall be done in accordance with RI APC Regulation No. 24. [**Not federally enforceable**]

SECTION II. GENERAL CONDITIONS

A. Annual Emissions Fee Payment

The permittee shall pay an annual emissions fee as established in Air Pollution Control Regulation No. 28 "Operating Permit Fees". [29.6.8(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.Y 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. [29.6.8(a), 29.4.2(c), 29.4.6]

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. [29.10.1(a)(4)]

D. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. [29.6.8(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. Room 230
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 I
Office of Environmental Stewardship
Director, Air Compliance Program
Attn: Air Compliance Clerk
One Congress St., Suite 1100 (SEA)
Boston, MA 02114-2023

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. [29.6.8(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: [29.6.8(f)(1)]
 - a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit; [29.6.8(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 [29.6.8(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), 29.6.8(f)(4), Approval Nos. 1779-1782(F)(2), Approval No. 1341, 1367 & 1368(D)(2), 1483(G)(2), 1604-1606(H)(2)]

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. [29.6.8(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. [29.6.5(a)]
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. [29.6.8(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. [29.6.11(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: [29.6.11(a) & 29.6.11(c)]

1. an emergency occurred and that the permittee can identify the cause(s) of the emergency; [29.6.11(c)(1)]
2. the permitted facility was at the time being properly operated; [29.6.11(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 [29.6.11(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.AA.3 of this permit. [29.6.11(c)(4)]

The permittee shall have the burden of proof in seeking to establish the occurrence of an emergency. [29.6.11(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. [29.6.8(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. [29.5.4]

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 years 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 have been extended. [29.6.13(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. [29.6.13(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. [29.6.13(d)]

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 five days) in the case of an emergency. [29.9.5(b)]

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. [29.9.5(a)]

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. [29.6.8(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: [29.11.2(a)]
 - a. Each such change shall not violate any term or condition of this permit. [29.11.2(b)]
 - b. Each change shall comply with all applicable requirements. [29.11.2(b)]
 - c. 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. [29.11.2(a)]
 - d. Before the permit change is made, the permittee must provide contemporaneous written notice to the Office of Air Resources and the USEPA Region I, except for changes that qualify as insignificant activities in

- Appendix A of APC Regulation No. 29. 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. [29.11.2(c)]
- e. The permit shield does not apply to changes made under this provision. [29.11.2(d)]
 - f. 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. [29.11.2(e)]
- 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 Regulation No. 9, if applicable. [29.11.2(a)]
 - 3. Changes made pursuant to this provision shall be incorporated into this permit at the time of renewal. [29.11.2(f)]

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. This class of changes does not include:
 - a. changes that would violate applicable requirements; or
 - b. changes to federally-enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements. [29.11.1(a), 29.1.36]
- 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. [29.11.1(a)(1), 29.11.1(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. [29.11.1(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. [29.11.1(c)]
5. Changes made pursuant to this provision shall be incorporated into the operating permit at the time of renewal. [29.11.1(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. [29.6.6(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. [7.2]

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. [17.2]
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. [17.3]

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. [1.2] 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. [1.4]

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. [1.3.1, 1.3.2]

S. Open Fires

It shall be unlawful for the permittee to burn any material in an open fire, except as provided in APC Regulation No. 4, Section 4.3. [4.2]

T. Construction Permits

It shall be unlawful for the permittee to construct, install, modify or cause the construction, installation or modification of any stationary source subject to the provisions of APC Regulation No. 9 without obtaining either a minor source permit or a major source permit from the Director. [9.2.1, 40 CFR 60.15]

U. Sulfur in Fuel

1. Except as may be specified in other provisions of this permit, unless the Director declares in writing after a hearing that a shortage of low sulfur fuel exists, the permittee shall not use or store fuel oil with a sulfur content greater than 1.0% by weight, except for use with marine vessels or motor vehicles. [8.2, 8.3.6]
2. Compliance with the sulfur in fuel limitations contained in this section shall be determined by the procedures listed below or by another method deemed equivalent by the Director and the USEPA:
 - a. For each shipment of fuel oil, the permittee shall obtain a certification from the fuel supplier which contains: [29.6.3(b)]
 - (1) For distillate fuel oil:
 - (a) the name of the supplier
 - (b) a statement that the oil complies with the specification for fuel oil number 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78 "Standard Specification for Fuel Oils."

- (2) For residual fuel oil:
 - (a) The name of the supplier,
 - (b) The nitrogen and sulfur content of the oil and the ASTM method used to determine the nitrogen and sulfur content of the oil,
 - (c) The location of the oil when the sample was drawn for analysis to determine the nitrogen and sulfur 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. [27.6.5 (a)-(d)]

- (3) For diesel fuel oil:
 - (a) the name of the supplier
 - (b) a statement that the oil complies with the specification for diesel fuel oil grade 1-D or 2-D, as defined by the American Society for Testing and Materials in ASTM D975-03 “Standard Specification for Fuel Oils.”

- b. As an alternative to fuel oil certification, the permittee may elect to sample the fuel oil prior to combustion. Sampling and analysis shall be conducted after each new shipment of fuel oil is received. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel oil is combusted. [27.6.6, 8.4.1(b)]

- c. All fuel oil must be sampled and analyzed according to ASTM methods which have the prior approval of or are required by the Office of Air Resources. [27.6.6, 8.4.1(b)]

- d. 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 designated personnel of the Office of Air Resources 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. [27.6.7]

- e. 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. Sampling and analysis of fossil fuels under Condition II.U.2 of this permit shall not limit the collection of samples under this condition. [8.4.3]

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 APC Regulation No. 10. [10.1]

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. [5.3]

X. Compliance Certifications

1. The permittee shall submit a certification of compliance with permit terms and conditions annually. [29.6.5(c)(1)]
2. The certification shall describe the following:
 - a. the permit term or condition that is the basis of the certification; [29.6.5(c)(3)a]
 - b. the current compliance status; [29.6.5(c)(3)b]
 - c. whether compliance was continuous or intermittent; and [29.6.5(c)(3)c]
 - d. the methods used for determining compliance, currently and over the reporting period. [29.6.5(c)(3)d]
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. [29.6.5(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. [29.6.8(e)]

Y. Permit Shield

1. Compliance with the terms and conditions of this permit shall be deemed compliance with all requirements applicable to the source in the following: Approval Nos. 519, 884, 993 & 994, 1341, 1367 & 1368, 1483, 1604-1606, 1779-1782, Federal Requirement 40 CFR 60 Subparts A and Dc, and RI APC Regulations Nos. 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 16, 17, 24, 27, 28, and 29. [29.6.12(a)(1)]
2. The Office of Air Resources has determined that Emission Units 7CC-B1, 7CC-B2, 7CC-B3, 7CC-B4, 1312CP-B1, 1312CP-B2, 1112CP-B1, 447CP-WH1, 678CP-WH1, 68CC-B1, 197CP-WH1, 197CP-WH2, 291CP-WH1, 291CP-WH, 307CP-B1, 688CP-WH1, W36CP-B1, 1269CP-B1, 1801CP-B1, 1372CC-B1, 95CHI-B1, 95CHI-B2, 95CHI-WH1, 95CHI-B3, 1CHI-B1, 1CHI-B2, 10CHI-B1, 109CHI-B1, 109CHI-B2, 109CHI-WH1, 114CHI-B1, 114CHI-B2, A138CHI-B1, 172CHI-B1, 172CHI-B2, 442CHI-B1, 442CHI-B2, 442CHI-WH1, 443CHI-B1, 443CHI-B2, 443CHI-WH1, 444CHI-B1, 444CHI-B2, 446CHI-B1, 684CHI-B1, 1163CP-WH1, 1164CHI-B1, 1268CHI-B1, 1268CHI-B2, 1284CHI-B1, 1284CHI-B2, A6NH-B1, A6NH-B2, A6NH-B3, 1276MID-B1, 1276MID-B2, 1362CHI-B1, 1373CC-B1, 23NH-G1, 68NH-G1, 170CHI-G1, 158CHI-G1, 25CC-G1, 74CC-G1, 75CC-G1, 820MEL-G1, 987AMEL-G1, 1181AMEL-G1, 694MID-G1, 338ACP-G1, 315ACP-G1, 361ACP-G1, 7CC-G1, A48CC-G1, 988MEL-G1, 62AMEL-G1, 1931CP-G1, A2CHI-G1, S41MEL-G1, 993NH-G1, 80MEL-G1, 683CHI-G1, 991CHI-G1, 1373CC-G1, 1396CC-G1, NorthGate-G1, 1286CP-T1, 1286CP-T2, 1286CP-T3, 1275MID-F1, 1275MID-F2, 1275MID-F3, 1275MID-F4, 1275MID-F5, 1275MID-F6, 1275MID-F7, 1275MID-F8, 1275MID-F9, 27CHI-CH1, 27CHI-CH2, 71CHI-B1, 52 CHI-B1, 1268CHI-WH1, 1284CHI-WH1, 440CP-B1, 690CP-B1, 27ACHI-B1, 27ACHI-B2, 27ACHI-B3 and 292CP-B1, are not subject to the following: RI APC Regulations Nos. 3, 12, 15, 19, 20, 21, 22, 23, 25, 26, 30, 31, 32, 33, 35, 36, 39, 41, 43 and Federal Requirements 40 CFR 60, Subpart Db.
3. 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 USEPA under that Section. [29.6.12(c)(1)]
 - b. the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [29.6.12(c)(2)]
 - c. the applicable requirements of the acid rain program consistent with Section 408 of the Clean Air Act. [29.6.12(c)(3)]
 - d. the ability of the USEPA to obtain information under Section 114 of the Act.

[29.6.12(c)(4)]

4. 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. [29.6.12(d)]

Z. Recordkeeping

1. The permittee shall, at the request of the Director, maintain records 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. [14.2.1]
2. All records and supporting information required by this permit shall be maintained at the permittee's 1 Simonpietri 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 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. [11.10.3.9(a-e), 14.2.1, 29.6.4(a)(2), 27.6.11, 40 CFR 60.48c(i), Approval No. 1604-1606(F)(7), Approval No. 1483(F)(9), Approval Nos. 1779-1782(E)(10), Approval No. 884(V)(A), Approval Nos. 1341, 1367 & 1368(C)(5)]
3. The permittee shall keep records of required monitoring information that include the following:
 - a. The date, place and time of sampling or measurements; [29.6.4(a)(1)a]
 - b. The date(s) analyses were performed; [29.6.4(a)(1)b]
 - c. The company or entity that performed the analyses; [29.6.4(a)(1)c]
 - d. The analytical techniques or methods used; [29.6.4(a)(1)d]
 - e. The results of such analyses; and [29.6.4(a)(1)e]
 - f. The operating conditions as existing at the time of sampling or measurement. [29.6.4(a)(1)f]

AA. Reporting

1. The information recorded by the permittee pursuant to Condition II.Z.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. [14.2.2] Information submitted pursuant to this condition will be correlated with applicable emissions limitations and other applicable emissions information and will be available for public inspection. [14.2.3]
2. The permittee shall submit reports of any required monitoring for each semiannual period ending 30 June and 31 December 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.X.4 of this permit. [29.6.4(b)(1)]
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. A copy of any such report shall be sent to the USEPA Region I. 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.X.4 of this permit. [29.6.4(b)(2), Approval Nos. 1779-1782(E)(9)]
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. 1341, 1367 & 1368(C)(4), 993 & 994, 1483(F)(5), 1604-1606(F)(5), Approval Nos. 1779-1782(E)(7), 40 CFR 60.7(a)(4)]

BB. 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 listed 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)]

CC. Emission Statements

1. The permittee shall submit annually an emission statement which includes information for both VOC and NO_x if facility wide actual emissions are 25 tons per year of either pollutant. Emission statements shall be submitted to the Director on April 15th 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. [14.3.1]
 - a. A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual.
 - b. The full name, title, signature, date of signature, and telephone number of the certifying individual.
 - c. Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s).
 - d. Process data pertaining to each process emitting VOC and/or NO_x, including:
 - (1) Annual and typical ozone season daily fuel use,
 - (2) Annual and typical ozone season daily process rate(s), and
 - (3) Process throughput while air pollution control equipment was not in operation.
 - e. Operating data pertaining to each process emitting VOC and/or NO_x during the reporting year, including:
 - (1) Percentage annual throughput,
 - (2) Average hours of operation per day during the reporting year and on a typical ozone season day,
 - (3) Average number of days of operation per week during the reporting year and during a typical ozone season week, and
 - (4) Weeks of operation during the reporting year and during the peak ozone season.
 - f. Control equipment information, including:
 - (1) Specific primary and secondary control equipment for each process emitting VOC and/or NO_x,
 - (2) Current overall control efficiency for each piece of control equipment (indicated by percent capture and percent destruction or removal), and

- (3) Control equipment downtime during the reporting year and during the peak ozone season.
- g. Emissions information, including:
- (1) Actual annual and typical ozone season daily emissions of VOC and NO_x for each process. Emissions should be reported in tons per year and in pounds per day.
 - (2) A description of the emission calculation method and, if applicable, emission factor(s) used, and
 - (3) The calendar year for which emissions are reported.
- h. Any additional information required by the Director to document the facility's emission statements.

DD. 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. [29.6.8(c)(3)]
2. Any application for a permit revision need only submit information related to the proposed change. [29.4.3(c)]
3. Terms not otherwise defined in this permit shall have the meaning given to such terms in 40 CFR 60.2, 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. Ozone-depleting Substances

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

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVAC) in Subpart B:
 - a. persons opening appliances for maintenance, service, repair or disposal must comply with the required practices of 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment of 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliance, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with recordkeeping requirements of 40 CFR 82.156.
 - e. Persons owning commercial or industrial processes refrigeration equipment must comply with the leak repair equipment requirements of 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, "Significant New Alternatives Policy Program."

B. 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.

Appendix A

Emission Units	Building Name	MMBTU/Hr each
1CHI-B1, 1CHI-B2	Luce Hall	5.845
10CHI-B1	NWC Museum	1.357
27ACHI-B1, 27ACHI-B2, 27 CHI-B3	McCarty-Little Hall	16.75
52CHI-B1	Schonland Hall	0.99
71CHI-B1	Coffee Café	0.12
109CHI-B1, 109CHI-B2	Gym	4.113
109CHI-WH1	Gym	1.00
114CHI-B1, 114CHI-B2	Brett Hall	2.396
A138CHI-B1	Statics Lab	1.05
172CHI-B1, 172CHI-B2	Bachelor Officer Qtrs	2.71
442CHI-B1, 442CHI-B2	Bachelor Officer Qtrs	3.10
442CHI-WH1	Bachelor Officer Qtrs	2.396
443CHI-B1, 443CHI-B2	Bachelor Officer Qtrs	3.103
443CHI-WH1	Bachelor Officer Qtrs	2.396
444CHI-B1, 444CHI-B2	Bachelor Officer Qtrs	3.10
446CHI-B1	Weakly Hall	1.703
684CHI-B1	Conference Center	1.357
1164CHI-B1	Robertson Hall	1.01
1268CHI-B1, 1268CHI-B2	Burke Hall	2.396
1268CHI-WH1	Burke Hall	0.140
1284CHI-B1, 1284CHI-B2	Evans Hall	3.392
1284CHI-WH1	Evans Hall	0.140
68CC-B1	Pier 2	4.2
197CP-WH1, 197CP-WH2	Nimitz Hall	3.2
291CP-WH1, 291CP-WH2	King Hall	3.2
292CP-B1	Ney Hall	4.76
440CP-B1	Perry Hall	0.610
688CP-WH1	Edwards Hall	3.2
690CP-B1	Command Headquarters	0.959
1163CP-WH1	Commissary	1.500
1801CP-B1	Kay Hall	1.617