



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

OPERATING PERMIT

Tiverton Power Inc.

PERMIT NO. RI-26-07(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:

Tiverton Power
304 Progress Road
Tiverton, RI 02878

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

**Douglas L. McVay, Acting Chief
Office of Air Resources**

Date of revision: 7/31/09

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SECTION I. SOURCE SPECIFIC CONDITIONS

A. Requirements for Emissions Unit G001

The following requirements are applicable to:

- Emission unit G001, is a 190.55 MW General Electric combustion turbine combined cycle unit, Model No. MS7001FA, which burns natural gas. Emission unit G001 is equipped with air pollution control device C001, which is a Peerless Selective Catalytic Reduction (SCR) system.

1. **Emission Limitations**

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

- (1) The concentration of nitrogen oxides discharged to the atmosphere from the flue shall not exceed 3.5 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(A)(1)(a), 40 CFR 60.332(a)(1)]
- (2) The emission rate of nitrogen oxides discharged to the atmosphere from the flue shall not exceed 25.0 lbs/hr. [RI-PSD-5(A)(1)(b)]

b. Carbon Monoxide (CO)

- (1) The concentration of carbon monoxide discharged to the atmosphere from the flue shall not exceed 12 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(A)(2)(a)]
- (2) The emission rate of carbon monoxide discharged to the atmosphere from the flue shall not exceed 52.0 lbs/hr. [RI-PSD-5(A)(2)(b)]

c. Sulfur Dioxide (SO₂)

The emission rate of sulfur dioxide discharged to the atmosphere from the flue shall not exceed 0.006 lbs per million BTU heat input (HHV) or a maximum of 11 lbs/hr, whichever is more stringent. [RI-PSD-5(A)(3)(a), 40 CFR 60.333(a)]

d. Particulate Matter less than 10 microns (PM-10)

The emission rate of PM-10 discharged to the atmosphere from the flue shall not exceed 0.009 lbs per million BTU heat input (HHV) or a maximum of 11 lbs/hr. [RI-PSD-5(A)(4)(a)]

e. Total Nonmethane Hydrocarbons (NMHC)

(1) The concentration of total non-methane hydrocarbons discharged to the atmosphere from the flue shall not exceed 2.0 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(A)(5)(a)]

(2) The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from the flue shall not exceed 6.0 lbs/hr. [RI-PSD-5(A)(5)(b)]

f. Ammonia (NH₃)

(1) The concentration of ammonia in discharged to the atmosphere from the flue shall not exceed 10 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(A)(6)(a)]

(2) The emission rate of ammonia discharged to the atmosphere from the flue shall not exceed 26.0 lbs/hr. [RI-PSD-5(A)(6)(b)]

g. Opacity

Visible emissions from G001 shall not exceed 10% opacity except for a period or periods aggregating no more than three minutes in any one hour. [1.2, RI-PSD-5(B)(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. Natural gas shall be the only fuel fired in G001. [RI-PSD-5(B)(1)]

b. There shall be no by passing of C001 during start-up, operation or shutdown. Ammonia will not be injected during start-up or shutdown unless the catalyst bed is at or above 400° F. [RI-PSD-5(G)(1)]

c. C001 shall be operated according to its design specifications whenever G001 is in operation or is emitting air contaminants. [16.2]

d. In the case of a malfunction of C001, 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 C001 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate G001 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: [RI-PSD-5(F)(1), 16.3]

- (1) Identification of the specific air pollution control system (i.e. C001) and source on which it is installed (i.e. G001); [RI-PSD-5(F)(1)(a), 16.3(a)]
- (2) The expected period of time that C001 will be malfunctioning or out of service; [RI-PSD-5(F)(1)(b), 16.3(b)]
- (3) The nature and quantity of air contaminants likely to be emitted during said period; [RI-PSD-5(F)(1)(c), 16.3(c)]
- (4) Measures that will be taken to minimize the length of said period; [RI-PSD-5(F)(1)(d), 16.3(d)]
- (5) The reasons that it would be impossible or impractical to cease the source operation during said period. [RI-PSD-5(F)(1)(e), 16.3(e)]

Nothing in this provision nor in any state variance shall alter the permittee's obligation under the federal Clean Air Act to comply with the terms and conditions of Section I.A of this permit.

e. The permittee may seek to establish that a malfunction of C001 that would result in noncompliance with any of the terms of Section I.A 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: [RI-PSD-5(F)(2)]

- (1) The malfunction was not attributable to improper design of C001, lack of preventative maintenance, careless or improper operation, or operator error; [RI-PSD-5(F)(2)(a)]
- (2) The malfunction was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; [RI-PSD-5(F)(2)(b)]
- (3) Repairs necessary to bring C001 back to operating at its design control efficiency were performed in an expeditious fashion. Off-shift labor and overtime should be utilized, to the extent practicable, to ensure that such repairs were completed as expeditiously as practicable. Any parts or material needed should be shipped overnight where possible or practical. [RI-PSD-5(F)(2)(c)]

- (4) All possible steps were taken to minimize emissions during the period of time that the repairs were performed. [RI-PSD-5(F)(2)(d)]
- (5) Emissions during the period of time that the repairs were performed will not cause or contribute to air pollution violation of any applicable state or national ambient air quality standard. [RI-PSD-5(F)(2)(e)]
- (6) The reasons that it would be impossible or impractical to cease the source operation of G001 during said period. [RI-PSD-5(F)(2)(f)]

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

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

- f. The maximum heat input rate to G001 shall not exceed 1943.4 million BTUs per hour. [RI-PSD-5(B)(4)]

3. Testing Requirements

- a. Sulfur Dioxide

The permittee may elect not to monitor the total sulfur content of the gaseous fuel combusted in G001, if the gaseous fuel is demonstrated to meet the definition of natural gas in 40 CFR 60.331(u). The permittee shall use one of the following sources of information to make the required demonstration:

- (1) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or
- (2) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of Appendix D to 40 CFR Part 75 is required. [RI-PSD-5(G)(12), 40 CFR 60.334(h)(3)]

b. Nitrogen Oxides

Fuel sampling of the natural gas for nitrogen content is waived in its entirety if the permittee does not claim an allowance for fuel bound nitrogen. [40 CFR 60.334(h)(2), RI-PSD-5(G)(12)]

c. Opacity

Tests for determining compliance with the opacity emission limitations specified in Condition I.A.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]

4. Monitoring Requirements

a. Continuous emission monitoring equipment shall be operated and maintained for nitrogen oxides, carbon monoxide, ammonia and oxygen. [RI-PSD-5(C)(1), 40 CFR 75.10(a)(1)-(4), 40 CFR 60.334(c), 29.6.3(b)]

b. Data shall be monitored continuously in accordance with the applicable requirements of 40 CFR 60 and 40 CFR 75. [RI-PSD-5(C)(4), 40 CFR 60.13(e), 40 CFR 75.10(d), 40 CFR 60.334(c)]

c. The continuous monitors must satisfy USEPA performance specifications and quality assurance procedures in 40 CFR 60, Appendices B & F, and Part 75, Appendices A & B. [RI-PSD-5(C)(2), 40 CFR 75.10(a)(2), 40 CFR 75.10(d), 40 CFR 60.334(c), 40 CFR 60.13(e)]

d. Sulfur Dioxide

The permittee shall certify, operate, maintain and record the output of fuel flow meters for natural gas and calculate the sulfur-dioxide emissions for each hour of operation as follows:

$$M_{SO_2g} = ER_{SO_2} \times HI_g$$

Where: M_{SO_2g} = Hourly mass of SO₂ emissions from the combustion of pipeline natural gas, lb/hr.

ER_{SO_2} = SO₂ emission rate of 0.0006 lb/MMBTU for pipeline natural gas.

HI_g = Hourly heat input of pipeline natural gas calculated using the procedures in Appendix F of 40 CFR 75, in MMBTU/hr.

$$HI_g = (Q_g \times GCV_g) / 10000$$

Where: Q_g = Fuel consumption in 100 scf/hr.
 GCV_g = Gross calorific value of natural gas fuel in BTU/scf provided by natural gas supplier on a monthly basis.

[40 CFR 75.10(a), 40 CFR 75.11(d)(2), 40 CFR 75, Appendix D]

e. Nitrogen Oxides

- (1) The permittee and, to the extent applicable, the NO_x authorized account representative shall comply with the monitoring requirements of APC Regulation No. 41, Section 41.10 and subpart H of 40 CFR Part 75. [41.10.1(a)]
- (2) The permittee shall install, certify, operate and maintain, in accordance with the requirements of 40 CFR Part 75 and Section 41.10 of Air Pollution Control Regulation No. 41, a NO_x continuous emission monitoring system (consisting of the NO_x pollutant concentration monitor, the O₂ diluent gas monitor and a data acquisition and handling system) to measure NO_x emission rate and for a fuel flow meter for natural gas to measure heat input rate. [41.10.2(a)(3), 40 CFR 75.10(a)(2), 40 CFR 75.71(c)(2)]
- (3) The NO_x continuous emission monitoring system must meet the initial certification and recertification requirements in Section 41.10.3(b) of APC Regulation No. 41, and the quality assurance and quality control requirements in 40 CFR 75.21 and Appendix B of 40 CFR Part 75. [41.10.2(a)(3), 41.10.3(a)(2), 41.10.3(b)(1-3), 40 CFR 75.70(d)(1), 40 CFR 75.70(e), 40 CFR 75.20, 40 CFR 75.21]
- (4) Whenever the monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D or Appendix D of 40 CFR Part 75. [41.10.4(a), 40 CFR 75.70(f)]
- (5) The permittee shall ensure that the NO_x continuous emission monitoring system meets the equipment, installation, and performance specifications in Appendix A of 40 CFR Part 75; and is maintained according to the quality assurance and quality control procedures in Appendix B of 40 CFR Part 75; and shall record NO_x emissions in lbs./MMBtu. [40 CFR 75.10(b)]

- (6) The continuous emission monitoring system for nitrogen oxides shall complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period. The permittee shall reduce the NO_x concentration and NO_x emission rate data collected by the monitors to hourly averages, computed using at least one data point in each fifteen minute quadrant of an hour where the unit combusted fuel during that quadrant of an hour. An hourly average may be computed from at least two data points separated by a minimum of 15 minutes if data are unavailable as a result of the performance of calibration, quality assurance, or preventative maintenance activities, backups of data from the data acquisition and handling system, or recertification. The permittee shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during the hour shall be, to the extent practicable, evenly spaced over the hour. [40 CFR 75.10(d)(1) 40 CFR 60.334(b)(2), 40 CFR 60.334(b)(3)]
- (7) The permittee shall continuously measure natural gas flow to G001 using fuel flow meter systems certified under 40 CFR Part 75, Appendix D. The permittee shall determine and record the heat input to G001 for every hour or part of an hour natural gas is combusted following the procedures in 40 CFR 75, Appendix F. [RI-PSD-5(C)(5), 41.10.2(a)(1), 40 CFR 75.10(c)]
- (8) The permittee shall ensure that the NO_x continuous emission monitoring system and each component thereof is capable of accurately measuring, recording and reporting data and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5 and 2.1.4.3 of 40 CFR 75, Appendix A. [40 CFR 75.10(f)]
- (9) The emissions measurements recorded and reported in accordance with this subsection shall be used to determine compliance with the NO_x Budget emissions limitation under Condition III.A.1 and the nitrogen oxides emission limitations in Conditions I.A.1.a(1) and I.A.1.a(2). [41.10.1(b), 40 CFR 60.334(b)(3)(i)]
- (10) The permittee shall calculate hourly NO_x mass emissions (in lbs) for each emission unit by multiplying the hourly NO_x emission rate in (lbs/MMBTU) by the hourly heat input rate (in MMBTU/hr) and the unit operating time. The permittee shall also calculate quarterly and cumulative year-to-date NO_x mass emissions and cumulative NO_x mass emissions for the ozone season (in tons) by summing the hourly NO_x mass emissions according to the applicable procedures in section 8 of Appendix F of 40 CFR 75. [40 CFR 75.72(e)]

- (11) The permittee shall not use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with subsection 41.11.5 of APC Regulation No. 41. [41.10.2(d)(1), 40 CFR 75.70(c)(1)]
- (12) The permittee shall not operate G001 so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this section and 40 CFR Part 75. [41.10.2(d)(2), 40 CFR 75.70(c)(2)]
- (13) The permittee shall not disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this section and 40 CFR Part 75. [41.10.2(d)(3), 40 CFR 75.70(c)(3)]
- (14) The permittee shall not retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved emission monitoring system under this section, except under any one of the following circumstances:
 - (a) During the period that the unit is covered by a retired unit exemption under section 41.14 of APC Regulation No. 41 that is in effect;
 - (b) The permittee is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this section and 40 CFR Part 75, by the Department, for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
 - (c) The NOx authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with subsection 41.10.3(b)(2) of APC Regulation No. 41. [41.10.2(d)(4), 40 CFR 75.70(c)(4)]
- (15) Whenever both an audit of a monitoring system and a review of the initial certification or recertification application reveal that any

system or component should not have been certified or recertified because it did not meet a particular performance specification or other requirement under subsection 41.10.3 of APC Regulation No. 41 or the applicable provisions of 40 CFR Part 75, both at the time of the initial certification or recertification application submission and at the time of the audit, the Department will issue a notice of disapproval of the certification status of such system or component. For the purposes of this paragraph, an audit shall be either a field audit or an audit of any information submitted to the Department or the Administrator. By issuing the notice of disapproval, the Department revokes prospectively the certification status of the system or component. The data measured and recorded by the system or component shall not be considered valid quality-assured data from the date of issuance of the notification of the revoked certification status until the date and time that the permittee completes subsequently approved initial certification or recertification tests. The permittee shall follow the initial certification or recertification procedures in subsection 41.10.3 of APC Regulation No. 41 for each disapproved system. [41.10.4(b)]

- (16) Failure of the NO_x continuous emission monitoring system to acquire the minimum number of data points for calculation of an hourly average in paragraph (6) of this subsection shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. For the NO_x continuous emission monitoring system, an hourly average NO_x emission rate in lb/MMBTU is valid only if the minimum number of data points is acquired by both the NO_x pollutant concentration monitor and the diluent monitor (O₂). If a valid hour of data is not obtained, the permittee shall estimate and record emissions for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in 40 CFR 75, Subpart D. The missing data substitution methodology provided for at 40 CFR 75 Subpart D is not required for purposes of identifying excess emissions in the report required by condition I.A.6.d. Instead, periods of missing CEMs data are to be reported as monitor downtime. [40 CFR 75.10(d)(3), 40 CFR 60.334(b)(3)(iii)]
- (17) The relative accuracy test audit (RATA) of the NO_x and diluent monitors shall be performed on a ppm and lb/MMBTU basis for NO_x and a percent O₂ basis for oxygen. [40 CFR 75, Appendix A, 40 CFR 60.334(b)(1)(i)]

f. Carbon Monoxide

- (1) The continuous emission monitoring system for carbon monoxide consists of the carbon monoxide continuous emission monitor and the oxygen continuous emission monitor. [40 CFR 60, Appendix B]
- (2) The continuous emissions monitoring system for carbon monoxide must satisfy USEPA performance specifications and quality assurance procedures in 40 CFR 60, Appendices B & F, as applicable. [RI-PSD-5(C)(2)]
- (3) The permittee shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with the applicable requirements of 40 CFR 60 Subpart A and Appendix B. [40 CFR 60.13(d)(1)]
- (4) The continuous monitoring system for carbon monoxide shall complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period. [40 CFR 60.13(e)(2)]
- (5) The permittee shall reduce all data to 1-hour averages, computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibrations checks, zero and span adjustments shall not be included in the data averages computed. [40 CFR 60.13(h)]

g. Carbon Dioxide

The permittee shall certify, operate, maintain and record the output of fuel flow meters for natural gas and calculate the carbon dioxide emissions for each day of operation as follows:

$$W_{CO_2} = (F_c \times H \times U_f \times MW_{CO_2}) / 2000$$

- Where:
- | | | |
|------------|---|--|
| W_{CO_2} | = | Daily mass of CO ₂ emissions from the combustion of pipeline natural gas, tons/day. |
| F_c | = | Carbon based F-factor, 1040 scf/MMBTU for pipeline natural gas. |
| H | = | Daily heat input of pipeline natural gas calculated using the company records. |

$U_f = 1/385 \text{ scf CO}_2/\text{lb-mole at } 14.7 \text{ psia and } 68^\circ\text{F}$

$MW_{\text{CO}_2} = \text{Molecular weight of carbon dioxide (44 lb/mole).}$

[40 CFR 75.10(a)(3)(ii), 40 CFR 75.13(b) and 40 CFR 75, Appendix G]

h. Ammonia

The permittee shall monitor ammonia concentrations in the turbine flue gases by using the equipment and procedures described in the “Continuous Emissions Monitoring Systems Quality Assurance Manual”, prepared by Custom Instrumentation Services Corporation, dated 9/09/99. [RI-PSD-5(C)(1), 29.6.3(b)]

i. Catalyst Bed Temperature

The permittee shall continuously measure the catalyst bed temperature of C001. [RI-PSD-5(C)(7)]

5. Recordkeeping Requirements

a. The permittee shall maintain a record of all measurements, performance evaluations, calibration checks and maintenance or adjustments for each continuous monitor. [RI-PSD-5(E)(1), 41.10.2(a)(4)]

b. The permittee shall continuously record all monitored data. Continuous emission monitoring data may be used as evidence in determining the permittee’s compliance/non compliance with the conditions and emission limitations contained in Section I.A of this permit. [RI-PSD-5(C)(4)]

c. The permittee shall continuously record the natural gas flow to G001. [RI-PSD-5(C)(5)]

d. Catalyst Bed Temperature

The permittee shall continuously record the catalyst bed temperature of C001. [RI-PSD-5(C)(7)]

e. The permittee shall maintain the following records for G001: [RI-PSD-5(E)(5)]

(1) The hours of operation, including any start up, shut down or malfunction in the operation of the facility.

(2) Any malfunction of C001.

- f. The permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring devices and performance testing measurements; all CMS calibration checks; adjustments and maintenance performance on these systems or devices; and all other information required shall be recorded in a permanent form suitable for inspection. [40 CFR 60.7(f)]
- g. The permittee shall maintain records of any scheduled and unscheduled maintenance to emissions unit G001.[29.6.3(b)]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources, in writing, after an exceedance of any emission limitation is discovered. This notification shall be made within five (5) days of the exceedance. Notification shall be provided on forms furnished by the Office of Air Resources and must provide all of the information requested on the form. [RI-PSD-5(E)(2)]
- b. The permittee shall notify the Office of Air Resources, in writing, after the discovery that a continuous emission monitor has malfunctioned. This notification shall be made within five (5) days of when the continuous emission monitor malfunctioned. Notification shall be provided on forms furnished by the Office of Air Resources and must provide all of the information requested on the form. [RI-PSD-5(E)(3)]
- c. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms in Section I.A. of this permit or any other applicable air pollution control rules or regulations. [RI-PSD-5(E)(4)]
- d. The permittee shall submit a written report of excess emissions as measured by a continuous emission monitor for every calendar quarter. All quarterly reports shall be received no later than 30 days following the end of each calendar quarter and shall include the following information: [RI-PSD-5(E)(14), 40 CFR 60.7(c)]
 - (1) The date and time of commencement and completion of each time period of excess emissions and the magnitude of the excess emissions. [RI-PSD-5(E)(14), 40 CFR 60.7(c)(1)]
 - (2) Identification of the suspected reason for the excess emissions and any corrective action taken. [RI-PSD-5(E)(14), 40 CFR 60.7(c)(2)]
 - (3) The date and time period any continuous emission monitor was inoperative, except for zero and span checks and the nature of system repairs or adjustments. [RI-PSD-5(E)(14), 40 CFR 60.7(c)(3)]

- (4) When none of the above items have occurred, such information shall be stated in the report. [RI-PSD-5(E)(14), 40 CFR 60.7(c)(4)]
- e. The summary report form shall contain the information in Condition I.A.6.d(1 – 4) and be in the format shown in 40 CFR 60 subsection 60.7 Figure – 1 unless otherwise specified by the Office of Air Resources. One summary report form shall be submitted for each pollutant monitored at each affected facility. [40 CFR 60.7(d)]
- f. If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in Condition I.A.6.d of this section need not be submitted unless requested by the Office of Air Resources. [40 CFR 60.7(d)(1)]
- g. If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in Condition I.A.6.d of this section shall both be submitted. [40 CFR 60.7(d)(2)]
- h. The Authorized Account representative for Tiverton Power shall submit written notice to the Office of Air Resources and the Administrator in accordance with 40 CFR 75.61. [41.10.5]
- i. The permittee shall have the capability of transmitting all of the collected continuous monitoring data to the Office of Air Resources via a telemetry system. The permittee must provide all of the necessary funds to operate this equipment. [RI-PSD-5(C)(8)]
- j. The permittee shall comply with the requirements of 40 CFR 75.62, except that the monitoring plan shall also include all of the information required by subpart H of 40 CFR Part 75. [41.11.2(a)]
- k. The Authorized Account Representative shall submit an application to the Office of Air Resources within 45 days after completing all initial certification or recertification tests required under Section I.A.4.e(3) including the information required under Subpart H of 40 CFR Part 75. [41.11.3(a)]
- l. The Authorized Account Representative shall submit a quarterly report for each calendar quarter. [41.11.4(a)]

- m. The NO_x Authorized Account Representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR Part 75 and 40 CFR 75.64. [41.11.4(c)]
- n. Quarterly reports shall include all of the data and information required in subpart H of 40 CFR Part 75 for each NO_x budget unit as well as information required in subpart G of 40 CFR Part 75. [41.11.4(c)(1)]
- o. The NO_x Authorized Account Representative shall submit to the Administrator a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that: [41.11.4(d)]
 - (1) The monitoring data submitted were recorded in accordance with the applicable requirements of APC Regulation No. 41, Sections 41.10 and 41.11, and 40 CFR Part 75, including the quality assurance procedures and specifications; and [41.11.4(d)(1)]
 - (2) For a unit with add-on NO_x emission controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the monitoring plan and the substitute values do not systematically underestimate NO_x emissions; and [41.11.4(d)(2)]
- p. Each submission under paragraphs i, l, m, n or p of this subsection shall be submitted, signed, and certified by the NO_x authorized account representative for Tiverton Power. Each such submission shall include the following certification statement by the NO_x authorized account representative:

"I am authorized to make this submission on behalf of the owners and operators of the NO_x Budget sources or NO_x Budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

The Department and the Administrator will accept or act on a submission made on behalf of Tiverton Power only if the submission has been made, signed, and certified in accordance with this subsection. [41.6.1(e), 41.11.1(a)]

- q. If the NO_x authorized account representative for a NO_x Budget unit subject to an Acid Rain Emission limitation who signed and certified any submission that is made under subpart F or G of 40 CFR Part 75 and which includes data and information required under APC Regulation No. 41, sections 41.10 and 41.11, or subpart H of 40 CFR Part 75 is not the same person as the designated representative or the alternative designated representative for the unit under 40 CFR Part 72, the submission must also be signed by the designated representative or the alternative designated representative. [41.11.1(b)]
- r. The excess emissions and monitoring systems performance report shall report separately, for nitrogen oxides and sulfur dioxide, excess emissions and monitor downtime as defined in 40 CFR 60.334(j). Excess emissions and monitor downtime that shall be reported separately are defined as follows:

(1) Nitrogen Oxides

- (a) An hour of excess emissions shall be any unit operating hour in which the 4-hour rolling average NO_x concentration exceeds 75 ppmv, on a dry basis, corrected to 15% O₂. A “4-hour rolling average NO_x concentration” is the arithmetic average of the average NO_x concentration measured by the CEMS for a given hour (corrected to 15 percent O₂) and the three unit operating hour average NO_x concentrations immediately preceding that unit operating hour. [40 CFR 60.334(j)(1)(iii)(A)]
- (b) A period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour, for either NO_x concentration or diluent (or both).[40 CFR 60.334(j)(1)(iii)(B)]

(2) Sulfur Dioxide

- (a) An excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 weight percent and ending on the date and hour that a subsequent sample is taken that demonstrates compliance with the sulfur limit. [40 CFR 60.334(j)(2)(i)]

- (b) A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour of a required sample, if invalid results are obtained. The period of monitor downtime shall include only unit operating hours, and ends on the date and hour of the next valid sample.
[40 CFR 60.334(j)(2)(iii)]

7. Other Requirements

- a. To the extent consistent with the requirements in Section I.A. of this permit and applicable federal and state laws, the equipment shall be operated in accordance with the representation of the equipment in the Major Source permit application. [RI-PSD-5(G)(3)]
- b. Emission unit G001 is subject to the requirements of the Federal New Source Performance Standards 40 CFR 60 Subpart A, (General Provisions) and Subpart GG (Stationary Gas Turbines). Compliance with all applicable provisions of these regulations is required. [RI-PSD-5(G)(5)]

8. Startup/Shutdown Conditions

- a. G001 Startup/shutdown shall be defined as that period of time from initiation of combustion turbine firing until the unit reaches steady state load operation. Steady state operation shall be reached when the combustion turbine has reached minimum load (50%) and the steam turbine is declared available for load changes. This period shall not exceed, 180 minutes for a hot start or 240 minutes for a cold start. A hot start shall be defined as startup when the generating unit has been down for less than 24 hours. A cold start shall be defined as startup when the generating unit has been down 24 hours or more. Unit shutdown shall be defined as that period of time from steady state operation to cessation of combustion turbine firing. This period shall not exceed 60 minutes. [RI-PSD-5(H)(1)]
- b. The following emission limitations shall apply during G001 startup/shutdown conditions: [RI-PSD-5(H)(3)]
 - (1) Nitrogen Oxides (as nitrogen dioxide (NO₂))
 - (a) The concentration of nitrogen oxides discharged to the atmosphere from each stack shall not exceed 107 ppmv, on a dry basis, corrected to 15 percent O₂. [RI-PSD-5(H)(3)(a)(1)]

- (b) The emission rate of nitrogen oxides discharged to the atmosphere from each stack shall not exceed 317 lbs/hr. [RI-PSD-5(H)(3)(a)(2)]
- (2) Carbon Monoxide (CO)
 - (a) The concentration of carbon monoxide discharged to the atmosphere from each stack shall not exceed 768 ppmv, on a dry basis, corrected to 15 percent O₂. [RI-PSD-5(H)(3)(b)(1)]
 - (b) The emission rate of carbon monoxide discharged to the atmosphere from each stack shall not exceed 1013 lbs/hr. [RI-PSD-5(H)(3)(b)(2)]
- (3) Sulfur Dioxide (SO₂)
 - (a) The emission rate of sulfur dioxide discharged to the atmosphere from the flue shall not exceed 0.006 lbs per million BTU heat input (HHV) or a maximum of 11 lbs/hr, whichever is more stringent. [RI-PSD-5(H)(3)(c)(1)]
- (4) Particulate Matter less than 10 microns (PM-10)
 - (a) The emission rate of PM-10 discharged to the atmosphere from the flue shall not exceed 0.009 lbs per million BTU heat input (HHV) or a maximum of 11 lbs/hr. [RI-PSD-5(H)(3)(d)(1)]
- (5) Total Nonmethane Hydrocarbons (NMHC)
 - (a) The concentration of total nonmethane hydrocarbons discharged to the atmosphere from the flue shall not exceed 128 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(H)(3)(e)(1)]
 - (b) The emission rate of total nonmethane hydrocarbons discharged to the atmosphere from the flue shall not exceed 117 lbs/hr. [RI-PSD-5(H)(3)(e)(2)]
- (6) Ammonia (NH₃)
 - (a) The concentration of ammonia discharged to the atmosphere from the flue shall not exceed 21 ppmv, on a dry basis, corrected to 15 percent O₂ (1 hour average). [RI-PSD-5(H)(3)(f)(1)]

- (b) The emission rate of ammonia discharged to the atmosphere from the flue shall not exceed 26.0 lbs/hr. [RI-PSD-5(H)(3)(f)(2)]
- (7) Visible emissions from any stack shall not exceed 10% opacity. [1.2, RI-PSD-5(H)(3)(g)] 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]

The average of the hourly emission rates for these emissions during each startup/shutdown period shall be used to determine compliance with this condition.

- c. The permittee shall follow proper operating procedures during G001 startup/shutdown conditions to minimize the emissions of air contaminants to the maximum extent practical. [RI-PSD-5(H)(4)]

B. Requirements for Emission Unit G002

The following Requirements are applicable to:

- Emission unit G002, is a 235 HP Caterpillar Internal Combustion Engine, Model No. 3208, which burns #2 fuel oil. Emission unit G002 is a emergency diesel fire pump engine.

1. Emission Limitations

- a. Opacity

Visible emissions from G002 shall not exceed 10% opacity except for a period or periods aggregating no more than three minutes in any one hour. [1.2, RI-PSD-5(B)(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 exists, 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. G002 shall be operated only during emergency situations that would require the pump to operate to fight a fire at the facility or for maintenance purposes to assure that the system is in working order. Operation for maintenance

purposes shall be limited to 36 hours per year (12 month rolling average).
[RI-PSD-5(B)(3), 27.2.3]

3. Monitoring Requirements

- a. G002 shall be equipped with a non-resettable elapsed time meter to indicate, in cumulative hours, the elapsed engine operating time. [RI-PSD-5(C)(6), 27.6.10(b)]

4. Testing Requirements

- a. Opacity

Tests for determining compliance with the opacity emission limitations specified in Condition I.B.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.B.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 each month, determine and record the hours of operation for G002 for the previous twelve (12) months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [RI-PSD-5(E)(6), 27.6.10(c)]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources, in writing within 15 days, whenever the hours of operation for G002 exceeds 36 hours in any 12 month period. [RI-PSD-5(E)(7), 27.6.10(d)]
- b. The permittee shall notify the Office of Air Resources of any anticipated noncompliance with the terms in Section I.B. of this permit or any other applicable air pollution control rules or regulations. [RI-PSD-5(E)(4)]

7. Other Requirements

- a. To the extent consistent with the requirements in Section I.B. of this permit and applicable federal and state laws, the equipment shall be

operated in accordance with the representation of the equipment in the Major Source permit application. [RI-PSD-5(G)(3)]

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:
 - a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit;
 - 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
 - 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)(1-4), RI-PSD-5(G)(4)]

Nothing in this condition shall limit the ability of 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 has been extended. [29.6.13(a)]

2. Additional requirements, including excess emissions requirements, become applicable to this source under the acid rain program. Excess emissions offset plans for this source shall be incorporated into this permit upon approval by the Administrator. [29.6.13(b)]
3. 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)]
4. 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 5 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), 60.7(a)(4)]
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]

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 USEPA: [29.6.3(a)]
 - a. For each shipment of fuel oil, the permittee shall obtain a certification from the fuel supplier which contains:
 - (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." [27.6.4(a – b)]

- (2) 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.” [29.6.3]
- 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. [8.4.1(b), 27.6.6]
- 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. [8.4.1(b), 27.6.6]
- 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. They 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: RI-PSD-5, RI APC Regulation Nos. 1, 4, 5, 7, 8, 9, 10, 14, 16, 17, 27, 28, 29, 41, 46, 47 and Federal Requirements 40 CFR 60, Subpart GG, 40 CFR 60 Subpart A and 40 CFR 72, 73, 75, 77, and 78. [29.6.12(a)(1)]
2. The Office of Air Resources has determined that units G001 and G002 are not subject to RI APC Regulation Nos. 3, 6, 11, 12, 13, 15, 19, 20, 21, 22, 23, 24, 25, 26, 30, 31, 32, 33, 35, 36, 39 and 43 and 40 CFR 64, 74, and 76. [29.6.12(a)(2)]

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 the 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 of and provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [14.2.1]
2. All records and supporting information required by this permit shall be maintained at the permittee's 304 Progress Road facility for a period of at least 5 years from the date of sample monitoring, measurement, report or application, and shall be made available to representatives of the Office of Air Resources and the USEPA upon request. Supporting information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [14.2.1, 29.6.4(a)(2), 27.6.11, RI-PSD-5(E)(15), 40 CFR 60.7(f)]
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 emission 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 semi annual period ending 30 June and 31 December of each calendar year. These reports shall be due to the Office of Air Resources no later than forty-five (45) days after the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with Condition II.X.4. [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. 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)]
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. [RI-PSD-5(E)(12), 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 used in this permit shall be used as applicable. However, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the permittee would have been in compliance with applicable requirements if the appropriate performance or compliance test procedures or methods had been performed. [40 CFR 51.212(c), 52.12(c), 52.33(a)]

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] The permittee shall submit this emission statement in a format approved by the Office of Air Resources. The emission statement shall contain the following information: [14.3.2]
 - 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. NO_x Budget Trading Program

The following requirements are applicable to:

- NO_x Budget Source: Tiverton Power (ORIS Code 55048)
NO_x Budget Unit: Unit ID No. 1 (Emission unit G001)

1. Nitrogen Oxides Requirement

- a. Starting on May 1, 2003 the permittee shall hold NO_x allowances available for compliance deductions under Condition III.A.7, as of the NO_x allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NO_x emissions for the control period from the unit, as determined in accordance with the provisions of APC Regulation No. 41, Sections 41.10 and 41.11. [41.4.1(a), 41.4.1(c)]
- b. Each ton of nitrogen oxides emitted in excess of the NO_x Budget emissions limitation shall constitute a separate violation of APC Regulation No. 41, the CAA, and applicable State law. [41.4.1(b)]
- c. NO_x allowances shall be held in, deducted from, or transferred among NO_x Allowance Tracking System accounts in accordance with APC Regulation No. 41, Sections 41.5, 41.8, and 41.9. [41.4.1(d), 41.8.1, 41.8.2, 41.8.3, 41.9.1, 41.9.2, 41.9.3, 41.9.4, 41.9.7, 41.9.8]
- d. A NO_x allowance shall not be deducted, in order to comply with the requirements in Condition III.A.1(a) above, for a control period in a year prior to the year for which the NO_x allowance was allocated. [41.4.1(e)]
- e. A NO_x allowance allocated by the Department of Environmental Management or the Administrator of the United States Environmental Protection Agency under the NO_x Budget Trading Program is a limited authorization to emit one ton of nitrogen oxides in accordance with the NO_x Budget Trading Program. No provision of the NO_x Budget Trading Program, the NO_x Budget permit application, the NO_x Budget Trading Program portion of this permit, or an exemption under APC Regulation No. 41, Section 41.14 and no provision of law shall be construed to limit the authority of the United States or the State of Rhode Island to terminate or limit such authorization. [41.4.1(f)]
- f. A NO_x allowance allocated by the Department of Environmental Management or the Administrator under the NO_x Budget Trading Program does not constitute a property right. [41.4.1(g)]

- g. Upon recordation by the Administrator under section 41.8, 41.9, or 41.13 of APC Regulation No. 41, every allocation, transfer, or deduction of a NOx allowance to or from a NOx Budget unit's compliance account or the overdraft account of Tiverton Power is deemed to amend automatically, and become a part of, this permit by operation of law without any further review. [41.4.1(h)]
- h. The initial allocation of allowances, for each control period, to Tiverton Power, for the allocation period 2003-2005 is 46. [41.5.2(a)]

2. Monitoring Requirements

- a. The owners and operators and, to the extent applicable, the NOx authorized account representative of Tiverton Power and each NOx Budget unit at Tiverton Power shall comply with the monitoring requirements of section 41.10 of APC Regulation No. 41 and in subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 41.1 of APC Regulation No. 41 and in 40 CFR 72.2 shall apply, and the terms "affected unit", "designated representative", and "continuous emission monitoring system"(or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NOx Budget unit", "NOx authorized account representative", and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in section 41.1. [41.10.1(a)]
- b. The emissions measurements recorded and reported in accordance with section 41.10 of APC Regulation No. 41 shall be used to determine compliance by the unit with the NOx Budget emissions limitation under Condition III.B.1. [41.10.1(b)]

3. Excess Emission Requirements

- a. If a NOx Budget unit has excess emissions in any control period, the permittee shall:
 - (1) Surrender the NOx allowances required for deduction under Condition III.A.7.d(1); and
 - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed under Condition III.A.7.d(3). [41.4.2]

4. Recordkeeping and Reporting Requirements

- a. The permittee shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Department or the Administrator. [41.4.3(a)]

- (1) The account certificate of representation for the NO_x authorized account representative for the source and each NO_x Budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with the provisions of APC Regulation No. 41, Section 41.6.5; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new account certificate of representation changing the NO_x authorized account representative. [41.4.3(a)(1)]
 - (2) All emissions monitoring information, in accordance with APC Regulation No. 41, Sections 41.10 and 41.11. [41.4.3(a)(2)]
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under APC Regulation No. 41. [41.4.3(a)(3)]
 - (4) Copies of all documents used to complete a NO_x Budget permit application and any other submissions under APC Regulation No. 41 or to demonstrate compliance with the requirements of APC Regulation No. 41. [41.4.3(a)(4)]
- b. The NO_x authorized account representative shall submit the reports and compliance certifications required under the NO_x Budget Trading Program, including those under sections 41.10, 41.11, or 41.12 of APC Regulation No.41 [41.4.3(b)].
- c. For each control period, the Authorized Account Representative for Tiverton Power shall submit to the Office of Air Resources and the Administrator by November 30 of that year, a compliance certification report. [41.12.1(a)]
- d. The NO_x authorized account representative shall include in the compliance certification report under paragraph c of this subsection the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NO_x Budget emissions limitation for the control period covered by the report:
- (1) Identification of each NO_x Budget unit; [41.12.1(b)(1)]
 - (2) At the NO_x authorized account representative's option, the serial numbers of the NO_x allowances that are to be deducted from each unit's compliance account under Condition III.A.7 for the control period; [41.12.1(b)(2)]

(3) The compliance certification under paragraph e of this subsection.
[41.12.1(b)(4)]

e. In the compliance certification report under paragraph a of this subsection, the NOx authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NOx Budget units at the source in compliance with the NOx Budget Trading Program, whether each NOx Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx Budget Trading Program applicable to the unit, including:

(1) Whether the unit was operated in compliance with the NOx Budget emissions limitation; [41.12.1(c)(1)]

(2) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit, in accordance with sections 41.10 and 41.11 of APC Regulation No. 41; [41.12.1(c)(2)]

(3) Whether all the NOx emissions from the unit were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with sections 41.10 and 41.11 of APC Regulation No. 41. If conditional data were reported, the permittee shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made; [41.12.1(c)(3)]

(4) Whether the facts that form the basis for certification under section 41.10 and 41.11 APC Regulation No. 41 of each monitor at the unit, or for using an excepted monitoring method or alternative monitoring method approved under section 41.10 and 41.11, if any, has changed; and [41.12.1(c)(4)]

(5) If a change is required to be reported under paragraph c(4) of this subsection, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification. [41.12.1(c)(5)]

5. Liability

- a. Any person who knowingly violates any requirement or prohibition of the NO_x Budget Trading Program, the NO_x Budget Trading Program portion of this permit, or an exemption under APC Regulation No. 41, Section 41.14 shall be subject to enforcement pursuant to applicable State or Federal law. [41.4.4(a)]
- b. Any person who knowingly makes a false material statement in any record, submission, or report under the NO_x Budget Trading Program shall be subject to criminal enforcement pursuant to the applicable State or Federal law. [41.4.4(b)]
- c. No permit revision shall excuse any violation of the requirements of APC Regulation No. 41 that occurs prior to the date that the revision takes effect. [41.4.4(c)]
- d. Tiverton Power and each NO_x Budget unit shall meet the requirements of APC Regulation No. 41. [41.4.4(d)]
- e. Any provision of APC Regulation No. 41 that applies to Tiverton Power (including a provision applicable to the NO_x authorized account representative for Tiverton Power) shall also apply to the owners and operators of Tiverton Power and of the NO_x Budget units at Tiverton Power. [41.4.4(e)]
- f. Any provision of APC Regulation No. 41 that applies to a NO_x Budget unit (including a provision applicable to the NO_x authorized account representative of a NO_x budget unit) shall also apply to the owners and operators of such unit. [41.4.4(f)]

6. Effect on Other Authorities

No provision of the NO_x Budget Trading Program, a NO_x Budget permit application, the NO_x Budget Trading Program portion of this permit, or an exemption under section 41.14 APC Regulation No. 41 shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the NO_x authorized account representative for Tiverton Power from compliance with any other provision of the Rhode Island State Implementation plan, a federally enforceable permit, or the CAA. [41.4.5]

7. Compliance

- a. NO_x allowance transfer deadline. The NO_x allowances are available to be deducted for compliance with a unit's NO_x Budget emissions limitation for a control period in a given year only if the NO_x allowances:

- (1) Were allocated for a control period in a prior year or the same year; and [41.9.5(a)(1)]
- (2) Are held in the unit's compliance account, or the overdraft account of Tiverton Power, as of the NOx allowance transfer deadline for that control period or are transferred into the compliance account or overdraft account by a NOx allowance transfer correctly submitted for recordation under subsection 41.8.1 of APC Regulation No. 41 by the NOx allowance transfer deadline for that control period. [41.9.5(a)(2)]

b. Deductions for compliance.

- (1) Following the recordation, in accordance with subsection 41.8.2 of APC Regulation No. 41, of NOx allowance transfers submitted for recordation in the unit's compliance account or the overdraft account of Tiverton Power by the NOx allowance transfer deadline for a control period, the Administrator will deduct NOx allowances available under paragraph a of this subsection to cover the unit's NOx emissions (as determined in accordance with sections 41.10 and 41.11 of APC Regulation No. 41):
 - (a) From the compliance account; and [41.9.5(b)(1)(a)]
 - (b) Only if no more NOx allowances available under paragraph a of this subsection remain in the compliance account, from the overdraft account. In deducting allowances for units at the source from the overdraft account, the Administrator will begin with the unit having the compliance account with the lowest NOx Allowance Tracking System account number and end with the unit having the compliance account with the highest NOx Allowance Tracking System account number (with account numbers sorted beginning with the left-most character and ending with the right-most character and the letter characters assigned values in alphabetical order and less than all numeric characters). [41.9.5(b)(1)(b)]
- (2) The Administrator will deduct NOx allowances first under paragraph b(1)(a) of this subsection and then under paragraph b(1)(b) of this subsection:
 - (a) Until the number of NOx allowances deducted for the control period equals the number of tons of NOx emissions, determined in accordance with sections 41.10 and 41.11 of APC Regulation No. 41, from the unit for the control

period for which compliance is being determined; or
[41.9.5(b)(2)(a)]

- (b) Until no more NOx allowances available under paragraph a of this subsection remain in the respective account.
[41.9.5(b)(2)(b)]

c. Identification of NOx allowances by serial number.

- (1) The NOx authorized account representative for each compliance account may identify by serial number the NOx allowances to be deducted from the unit's compliance account under paragraph b or d of this subsection. Such identification shall be made in the compliance certification report submitted in accordance with Condition III.A.4.c. [41.9.5(c)(1)]

- (2) First-in, first-out. The Administrator will deduct NOx allowances for a control period from the compliance account, in the absence of an identification or in the case of a partial identification of NOx allowances by serial number under paragraph c(1) of this subsection, or the overdraft account on a first-in, first-out (FIFO) accounting basis in the following order:

- (a) Those NOx allowances that were allocated for the control period to the unit under Condition III.A.1.h; [41.9.5(c)(2)(a)]

- (b) Those NOx allowances that were allocated for the control period to any unit and transferred and recorded in the account pursuant to section 41.8 of APC Regulation No. 41, in order of their date of recordation; [41.9.5(c)(2)(b)]

- (c) Those NOx allowances that were allocated for a prior control period to the unit under Condition III.A.1.h; and [41.9.5(c)(2)(c)]

- (d) Those NOx allowances that were allocated for a prior control period to any unit and transferred and recorded in the account pursuant to section 41.8 of APC Regulation No. 41, in order of their date of recordation. [41.9.5(c)(2)(d)]

d. Deductions for excess emissions.

- (1) After making the deductions for compliance under paragraph b of this subsection, the Administrator will deduct from the unit's compliance account or the overdraft account of Tiverton Power a

number of NOx allowances, allocated for a control period after the control period in which the unit has excess emissions, equal to three times the number of the unit's excess emissions. [41.9.5(d)(1)]

(2) If the compliance account or overdraft account does not contain sufficient NOx allowances, the Administrator will deduct the required number of NOx allowances, regardless of the control period for which they were allocated, whenever NOx allowances are recorded in either account. [41.9.5(d)(2)]

(3) Any allowance deduction required under paragraph d of this subsection shall not affect the liability of the owners and operators of the NOx Budget unit for any fine, penalty, or assessment, or their obligation to comply with any other remedy, for the same violation, as ordered under the CAA or applicable State law. The following guidelines will be followed in assessing fines, penalties or other obligations:

(a) For purposes of determining the number of days of violation, if a NOx Budget unit has excess emissions for a control period, each day in the control period (153 days) constitutes a day in violation unless the owners and operators of the unit demonstrate that a lesser number of days should be considered. [41.9.5(d)(3)(a)]

(b) Each ton of excess emissions is a separate violation. [41.9.5(d)(3)(b)]

e. The Administrator will record in the appropriate compliance account or overdraft account all deductions from such an account pursuant to paragraphs b or d of this subsection. [41.9.5(f)]

8. Banking

a. NOx allowances may be banked for future use or transfer in a compliance account, an overdraft account, or a general account, as follows:

(1) Any NOx allowance that is held in a compliance account, an overdraft account, or a general account will remain in such account unless and until the NOx allowance is deducted or transferred under Conditions III.A.9.a or b, Condition III.A.7, subsection 41.9.7, or section 41.8 of APC Regulation No. 41. [41.9.6(a)(1)]

(2) The Administrator will designate, as a "banked" NOx allowance, any NOx allowance that remains in a compliance account, an overdraft account, or a general account after the Administrator has

made all deductions for a given control period from the compliance account or overdraft account pursuant to Condition III.A.7. [41.9.6(a)(2)]

- b. Each year starting in 2004, after the Administrator has completed the designation of banked NOx allowances under paragraph a(2) of this subsection and before May 1 of the year, the Administrator will determine the extent to which banked NOx allowances may be used for compliance in the control period for the current year, as follows:
- (1) The Administrator will determine the total number of banked NOx allowances held in compliance accounts, overdraft accounts, or general accounts. [41.9.6(b)(1)]
 - (2) If the total number of banked NOx allowances determined, under paragraph b(1) of this subsection, to be held in compliance accounts, overdraft accounts, or general accounts is less than or equal to 10% of the sum of the State trading program budgets for the control period for the States in which NOx Budget units are located, any banked NOx allowance may be deducted for compliance in accordance with Condition III.A.7. [41.9.6(b)(2)]
 - (3) If the total number of banked NOx allowances determined, under paragraph b(1) of this subsection, to be held in compliance accounts, overdraft accounts, or general accounts exceeds 10% of the sum of the State trading program budgets for the control period for the States in which NOx Budget units are located, any banked allowance may be deducted for compliance in accordance with Condition III.A.7, except as follows:
 - (a) The Administrator will determine the following ratio: 0.10 multiplied by the sum of the State trading program budgets for the control period for the States in which NOx Budget units are located and divided by the total number of banked NOx allowances determined, under paragraph b(1) of this subsection, to be held in compliance accounts, overdraft accounts, or general accounts. [41.9.6(b)(3)(a)]
 - (b) The Administrator will multiply the number of banked NOx allowances in each compliance account or overdraft account. The resulting product is the number of banked NOx allowances in the account that may be deducted for compliance in accordance with Condition III.A.7. Any banked NOx allowances in excess of the resulting product may be deducted for compliance in accordance with Condition III.A.7, except that, if such NOx allowances are used to make a deduction, two such NOx allowances must

be deducted for each deduction of one NO_x allowance required under Condition III.A.7. [41.9.6(b)(3)(b)]

9. Other Requirements

- a. The Department or the Administrator may review and conduct independent audits concerning any compliance certification or any other submission under the NO_x Budget Trading Program and make appropriate adjustments of the information in the compliance certifications or other submissions. [41.12.2(a)]
- b. The Administrator may deduct NO_x allowances from or transfer NO_x allowances to a unit's compliance account or a source's overdraft account based on the information in the compliance certifications or other submissions, as adjusted under paragraph a of this subsection. [41.12.2(b)]
- c. Authorization and responsibilities of, changing of and objections concerning the NO_x authorized account representative and the alternate, changes in the owners and operators and matters concerning the account certificate of representation shall be conducted in accordance with APC Regulation No. 41, Section 41.6. [41.6.1, 41.6.2, 41.6.3, 41.6.4, 41.6.5, 41.6.6]
- d. The NO_x Budget Trading Program portion of this permit is deemed to incorporate automatically the definitions of terms under section 41.1 of APC Regulation No. 41 and, upon recordation by the Administrator under sections 41.8 or 41.9 of APC Regulation No. 41, every allocation, transfer or deduction of a NO_x allowance to or from the compliance accounts of the NO_x Budget units covered by this permit or the overdraft account of Tiverton Power. [41.7.5(b)]
- e. Except as provided in paragraph d of this subsection, the Department will revise the NO_x Budget Trading Program portion of this permit, as necessary, in accordance with the provisions of APC Regulation No. 29 addressing permit revisions. [41.7.7(a)]

B. CO₂ Budget Trading Program – (Not Federally Enforceable)

The following requirements are applicable to:

- CO₂ Budget Source: Tiverton Power (ORIS Code 55048)
CO₂ Budget Unit: Unit ID No. 1 (Emission unit G001)

1. Carbon Dioxide Requirement

- a. Starting on January 1, 2009 the permittee shall hold CO₂ allowances available for compliance deductions under section III.B.7, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with the provisions of APC Regulation No. 46, sections 46.9 and 46.10. [46.3.1(a), 46.3.1(c)]
- b. Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of APC Regulation No. 46 and applicable State law. [46.3.1(b)]
- c. CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with APC Regulation No. 46, sections 46.4, 46.7 46.8.[46.3.1(d), 46.7.1, 46.7.2, 46.7.3, 46.8.1, 46.8.2, 46.8.3, 46.8.4, 46.8.7, 46.8.8]
- d. A CO₂ allowance shall not be deducted, in order to comply with the requirements in condition III.B.1.a. above, for a control period that ends prior to the year for which the CO₂ allowance was allocated. A CO₂ offset allowance shall not be deducted, in order to comply with the requirements in subsection III.B.1a., beyond the applicable percent limitations set out in subsection III.B.7.a.(3). [46.3.1(e)]
- e. A CO₂ allowance under the CO₂ Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO₂ in accordance with the CO₂ Budget Trading Program. No provision of the CO₂ Budget Trading Program, the CO₂ budget permit application, the CO₂ budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.[46.3.1(f)]
- f. A CO₂ allowance under the CO₂ Budget Trading Program does not constitute a property right. [46.3.1(g)]

2. Monitoring Requirements

- a. The owners and operators, and to the extent applicable, the CO₂ authorized account representative of Tiverton Power Inc. (each CO₂ budget source and each CO₂ budget unit at the source) shall comply with the monitoring requirements of APC Regulation No. 46, sections 46.9 and all applicable sections of 40 CFR part 75. Where referenced in sections 46.9 and 46.10, the monitoring requirements of 40 CFR Part 75 shall be adhered to in a manner consistent with the purpose of monitoring and reporting CO₂ mass emissions pursuant to Air Pollution Control Regulation No. 46. For purposes of complying with such requirements, the definitions in section 46.1 of APC Regulation No. 46 and in 40 CFR 72.2 shall apply, and the

terms “affected unit,” “designated representative,” and “continuous emissions monitoring system” (or “CEMS”) in 40 CFR part 75 shall be replaced by the terms “CO₂ budget unit,” “CO₂ authorized account representative,” and “continuous emissions monitoring system” (or “CEMS”), respectively, as defined in subsection 46.1.[46.3.4, 46.9.1(a), 46.9.2, 46.9.3, 46.9.4, 46.9.5]

- b. The emission measurements recorded and reported in accordance with section 46.9 of APC Regulation No. 46 shall be used to determine compliance by the unit with the CO₂ requirements of III.B.1. [46.9.1(b)]

3. Excess Emissions

- a. If a CO₂ budget source has excess emissions in any control period, the permittee shall:
 - (1) Forfeit the CO₂ allowances required for deduction under subsection III.B.7.d(1); provided CO₂ offset allowances may not be used to cover any part of such excess emissions; and
 - (2) Pay any fine, penalty, or assessment or comply with any other remedy imposed under subsection III.B.7.d(2). [46.3.2(a)(1-2)]

4. Recordkeeping and Reporting Requirements

- a. The CO₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable recordkeeping and reporting requirements under 40 CFR 75.73 and with the requirements of subsection 46.5.1(e) of APC Regulation No. 46. [46.10.1(a), 46.10.7(f)(1)]
- b. The permittee shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the Department. [46.3.3(a)]
 - (1) The account certificate of representation for the CO₂ authorized account representative for the source and each CO₂ budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with the provisions of APC Regulation No. 46, section 46.5.5, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation changing the CO₂ authorized account representative. [46.3.3(a)(1)]

- (2) All emissions monitoring information, in accordance with APC Regulation No. 46, sections 46.9, 46.10 and 40 CFR 75.57. [46.3.3(a)(2)]
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO₂ Budget Trading Program. [46.3.3(a)(3)]
 - (4) Copies of all documents used to complete a CO₂ budget permit application and any other submission under the CO₂ Budget Trading Program or to demonstrate compliance with the requirements of the CO₂ Budget Trading Program. [46.3.3(a)(4)]
- c. The CO₂ authorized account representative of a CO₂ budget source and each CO₂ budget unit at the source shall submit the reports and compliance certifications required under the CO₂ Budget Trading Program, including those in APC Regulation No. 46, sections 46.9, 46.10 and 46.11. [46.3.3(b)]
- d. The CO₂ authorized account representative shall submit an application to the Department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under subsection 46.9.3 of APC Regulation No. 46 including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f). [46.10.3(a)]

Compliance Certification Report

- e. For each control period, the permittee shall submit to the Department by the March 1 following the relevant control period, a compliance certification report. [46.11.1(a)]
- f. The CO₂ authorized account representative shall include in the compliance certification report under paragraph e of this subsection the following elements, in a format prescribed by the Department concerning each unit at the source and subject to the CO₂ budget emissions limitation for the control period covered by the report:
- (1) Identification of the source and each CO₂ budget unit at the source; [46.11.1(b)(1)]
 - (2) At the CO₂ authorized account representative's option, the serial numbers of the CO₂ allowances that are to be deducted from the source's compliance account under condition III.B.7 for the control period, including the serial numbers of any CO₂ offset allowances that are to be deducted subject to the limitations of condition III.B.7.a.(3); and [46.11.1(b)(2)]

(3) The compliance certification under paragraph g of this subsection.
[46.11.1(b)(3)]

g. In the compliance certification report under paragraph e of this subsection, the CO₂ authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO₂ budget units at the source in compliance with the CO₂ Budget Trading Program, whether the source and each CO₂ budget unit for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO₂ Budget Trading Program, applicable to the unit, including:

- (1) Whether the source was operated in compliance with the CO₂ requirements of III.B.1; [46.11.1(c)(1)]
- (2) Whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with sections 46.9 and 46.10 of APC Regulation No. 46; [46.11.1(c)(2)]
- (3) Whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with sections 46.9 and 46.10 of APC Regulation No. 46. If conditional data were reported, the permittee shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made; [46.11.1(c)(3)]
- (4) Whether the facts that form the basis for certification under section 46.9 and 46.10 of APC Regulation No. 46 of each monitor at each unit at the source, or for using an accepted monitoring method or alternative monitoring method approved under sections 46.9 and 46.10 of APC Regulation No. 46, if any, have changed; and [46.11.1(c)(4)]
- (5) If a change is required to be reported under paragraph g(4) of this subsection, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification. [46.11.1(c)(5)]

- h. The CO₂ authorized account representative shall report the CO₂ mass emissions data for the CO₂ budget unit, in an electronic format prescribed by the Administrator, unless otherwise prescribed by the Department, for each calendar quarter beginning with the calendar quarter covering January 1, 2009 through March 31, 2009. [46.10.4(a)(1)]
- i. The CO₂ authorized account representative shall submit each quarterly report to the Department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in Subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in Subpart G of 40 CFR part 75, except for opacity, NO_x and SO₂ provisions. [46.10.4(b)]
- j. Compliance Certification. The CO₂ authorized account representative shall submit to the Department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:
[46.10.4(c)]
 - (1) The monitoring data submitted were recorded in accordance with the applicable requirements of sections 46.9 and 46.10 of APC Regulation No. 46 and 40 CFR part 75, including the quality assurance procedures and specifications; [46.10.4(c)(1)]
 - (2) The CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions. [46.10.4(c)(3)]

Output Data

- k. Ongoing QA/QC. The following ongoing quality assurance/quality control activities must be performed in order to maintain the output system:
 - (1) Billing meters. In the case where billing meters are used to determine output, no QA/QC activities beyond what are already performed are required. [46.10.7(e)(1)]
 - (2) Non-billing meters. Certain types of equipment such as potential transformers, current transformers, nozzle and venture type meters, and the primary element of an orifice plate only require an initial certification of calibration and do not require periodic recalibration unless the equipment is physically changed. However, the

pressure and temperature transmitters accompanying an orifice plate will require periodic retesting. For such pressure and temperature transmitters, and other types of equipment, either recalibrate or re-verify the meter accuracy at least once every two years (i.e., every eight calendar quarters), unless a consensus standard allows for less frequent calibrations or accuracy tests. For non-billing meters, the output monitoring system must either meet an accuracy of within 10% of the reference value, or each component monitor for the output system must meet an accuracy of within 3% of the full scale value, whichever is less stringent. If testing a piece of output measurement equipment shows that the output readings are not accurate to within 3.0 percent of the full scale value, then the equipment should be repaired or replaced to meet that requirement. [46.10.7(e)(2)]

- (3) Out-of-control periods. If testing a piece of output measurement equipment shows that the output readings are not accurate to the certification value, data remain invalid until the output measurement equipment passes an accuracy test or is replaced with another piece of equipment that passes the accuracy test. All invalid data shall be replaced by either zero or an output value that is likely to be lower than a measured value and that is approved as part of the monitoring plan required under subsection 46.10.7(c) of APC Regulation No. 46. [46.10.7(e)(3)]

- l. The permittee shall retain data used to monitor, determine, or calculate net generation for ten years from the date reported. [46.10.7(f)(2)]
- m. Annual reports. The CO₂ authorized account representative shall submit annual output reports, as follows. The data must be sent both electronically and in hardcopy by March 1 for the immediately preceding calendar year to the Department or its agent. The annual report shall include the annual total unit level MWh, the annual total useful thermal energy and a certification statement from the CO₂ authorized account representative stating the following:

“I am authorized to make this submission on behalf of the owners and operators of the CO₂ budget sources or CO₂ budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and

information or omitting required statements and information, including the possibility of fine or imprisonment.”

[46.10.7(f)(3)]

5. Liability

- a. No permit revision shall excuse any violation of the requirements of the CO₂ Budget Trading Program that occurs prior to the date that the revision takes effect. [46.3.5(a)]
- b. Any provision of the CO₂ Budget Trading Program that applies to a CO₂ budget source (including a provision applicable to the CO₂ authorized account representative of a CO₂ budget source) shall also apply to the owners and operators of such source and of the CO₂ budget units at the source. [46.3.5(b)]
- c. Any provision of the CO₂ Budget Trading Program that applies to a CO₂ budget unit (including a provision applicable to the CO₂ authorized account representative of a CO₂ budget unit) shall also apply to the owners and operators of such unit. [46.3.5(c)]
- d. Any person who negligently, willingly or knowingly violates any requirement or prohibition of the CO₂ Budget Trading Program or a CO₂ budget permit shall be subject to enforcement pursuant to applicable law.[46.3.5(d)]
- e. Any person who negligently, willingly or knowingly makes a false material statement in any record, submission, or report under the CO₂ Budget Trading Program shall be subject to criminal enforcement pursuant to applicable law. [46.3.5(e)]
- f. Each CO₂ budget source and each CO₂ budget unit shall meet the requirements of the CO₂ Budget Trading Program. [46.3.5(f)]

6. Effect on other authorities

- a. No provision of the CO₂ Budget Trading Program, a CO₂ budget permit application, or a CO₂ budget permit, shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the CO₂ authorized account representative of a CO₂ budget source or CO₂ budget unit from compliance with any other provision of any Air Pollution Control Regulation, the Rhode Island State Implementation Plan, a federally enforceable permit, or the Clean Air Act. [46.3.6]

7. Compliance

- a. Allowances available for compliance deduction. CO₂ allowances that meet the following criteria are available to be deducted in order for a CO₂ budget source to comply with the CO₂ requirements in subsection III.B.1. for a control period.
- (1) The CO₂ allowances, other than CO₂ offset allowances, are of allocation years that fall within a prior control period or the same control period for which the allowances will be deducted. [46.8.5(a)(1)]
 - (2) The CO₂ allowances are held in the CO₂ budget source's compliance account as of the CO₂ allowance transfer deadline for that control period or are transferred into the compliance account by a CO₂ allowance transfer correctly submitted for recordation under APC Regulation No. 46, subsection 46.7.1 by the CO₂ allowance transfer deadline for that control period. [46.8.5(a)(2)]
 - (3) For CO₂ offset allowances, the number of CO₂ offset allowances that are available to be deducted in order for a CO₂ budget source to comply with the CO₂ requirements of subsection III.B.1 for a control period may not exceed the number of tons representing the following percentages of the CO₂ budget source's CO₂ emissions for that control period, as determined in accordance with APC Regulation No. 46, sections 46.8, 46.9 and 46.10:
 - (a) Unless the provisions of conditions III.B.7.a.(3)(b) or III.B.7.a.(3)(c) apply, 3.3 percent; [46.8.5(a)(3)a]
 - (b) If the Department determines that there has been a stage one trigger event, 5 percent; or [46.8.5(a)(3)b]
 - (c) If the Department determines that there has been a stage two trigger event, 10 percent. [46.8.5(a)(3)c]
 - (4) The CO₂ allowances are not necessary for deductions for excess emissions for a prior control period under subsection III.B.7.d. [46.8.5(a)(4)]
- b. Deductions for compliance
- (1) Following the recordation, in accordance with APC Regulation No. 46, subsection 46.7.2, of CO₂ allowance transfers submitted for recordation in the CO₂ budget source's compliance account by the CO₂ allowance transfer deadline for a control period, the Department or its agent will deduct CO₂ allowances available under III.B.7.(a) of this subsection to cover the source's CO₂

emissions (as determined in accordance with APC Regulation No.46, sections 46.9 and 46.10 for the control period, as follows:

- (a) Until the amount of CO₂ allowances deducted equals the number of tons of total CO₂ emissions from all CO₂ budget units at the CO₂ budget source for the control period; or [46.8.5(b)(1)a]
 - (b) If there are insufficient CO₂ allowances to complete the deductions in III.B.7.b.(1) of this subsection, until no more CO₂ allowances available under III.B.7.b.(1)(a) of this subsection remain in the compliance account. [46.8.5(b)(1)b]
- c. Identification of available CO₂ allowances by serial number; default compliance deductions
 - (1) The CO₂ authorized account representative for a source's compliance account may request that specific CO₂ allowances, identified by serial number, in the compliance account be deducted for emissions or excess emissions for a control period in accordance with III.B.7.b. or III.B.7.d. of this section. Such identification shall be made in the compliance certification report submitted in accordance with condition III.B.4.e. [46.8.5.(c)(1)]
 - (2) The Department or its agent will deduct CO₂ allowances for a control period from the CO₂ budget source's compliance account, in the absence of an identification or in the case of a partial identification of available CO₂ allowances by serial number under III.B.7.c.(1) of this section, in the following order:
 - (a) First, subject relevant compliance deduction limitations under III.B.7.a.(3) and III.B.7.d.(1), CO₂ offset allowances. CO₂ offset allowances shall be deducted in chronological order (i.e., CO₂ offset allowances from earlier allocation years shall be deducted before CO₂ offset allowances from later allocation years). In the event that some, but not all, CO₂ offset allowances from a particular allocation year are to be deducted, CO₂ offset allowances shall be deducted by serial number, with lower serial number allowances deducted before higher serial number allowances. [46.8.5(c)(2)a]
 - (b) Second, any CO₂ allowances, other than CO₂ offset allowances that are available for deduction under III.B.7.a. CO₂ allowances shall be deducted in chronological order (i.e., CO₂ allowances from earlier allocation years shall be

deducted before CO₂ allowances from later allocation years). In the event that some, but not all, CO₂ allowances from a particular allocation year are to be deducted, CO₂ allowances shall be deducted by serial number, with lower serial number allowances deducted before higher serial number allowances. [46.8.5(c)(2)b]

d. Deductions for excess emissions

- (1) After making the deductions for compliance under III.B.7.b of this section, the Department or its agent will deduct from the CO₂ budget source's compliance account a number of CO₂ allowances, from allocation years that occur after the control period in which the source has excess emissions, equal to three times the number of the source's excess emissions. In the event that a source has insufficient CO₂ allowances to cover three times the number of the source's excess emissions, the source shall be required to immediately transfer sufficient allowances into its compliance account. No CO₂ offset allowances may be deducted to account for the source's excess emissions. [46.8.5(d)(1)]
- (2) Any CO₂ allowance deduction required under III.B.7.d.(1) of this section shall not affect the liability of the permittee for any fine, penalty, or assessment, or their obligation to comply with any other remedy, for the same violation, as ordered under applicable State law. The following guidelines will be followed in assessing fines, penalties or other obligations. [46.8.5(d)(2)]
 - (a) For purposes of determining the number of days of violation, if a CO₂ budget source has excess emissions for a control period, each day in the control period constitutes a day in violation unless the owners and operators of the unit demonstrate that a lesser number of days should be considered. The Department or its agent will have complete discretion to determine if the permittee demonstrated that a lesser number of days should be used. [46.8.5(d)(2)a]
 - (b) Each ton of excess emissions is a separate violation. [46.8.5(d)(2)b]
- (3) The propriety of the Department's determination that a CO₂ budget source had excess emissions and the associated deduction of CO₂ allowances from that CO₂ budget source's account may be later challenged in the context of an administrative enforcement, or any civil or criminal judicial action arising from or encompassing that excess emissions violation. The commencement or pendency of any administrative enforcement, or civil or criminal judicial action

arising from or encompassing that excess emissions violation will not act to prevent the Department or its agent from initially deducting the CO₂ allowances resulting from the Department's original determination that the relevant CO₂ budget source has had excess emissions. Should the Department's determination of the existence or extent of the CO₂ budget source's excess emissions be revised either by a settlement or final conclusion of any administrative or judicial action, the Department shall:
[46.8.5(d)(3)]

- (a) In any instance where the Department's determination of the extent of excess emissions was too low, the Department will take further action under III.B.7.d.(1) and III.B.7.d.(2) of this section to address the expanded violation.
[46.8.5(d)(3)a]
- (b) In any instance where the Department's determination of the extent of excess emissions was too high, the Department will distribute to the relevant CO₂ budget source a number of CO₂ allowances equaling the number of CO₂ allowances deducted which are attributable to the difference between the original and final quantity of excess emissions. Should such CO₂ budget source's compliance account no longer exist, the CO₂ allowances will be provided to a general account selected by the permittee.
[46.8.5(d)(3)b]
- e. The Department will record in the appropriate compliance account all deductions from such an account pursuant to III.B.7.b and III.B.7.d of this section. [46.8.5(e)]
- f. Action by the Department on submissions
 - (1) The Department may review and conduct independent audits concerning any submission under the CO₂ Budget Trading Program and make appropriate adjustments of the information in the submissions. [46.8.5(f)(1)]
 - (2) The Department may deduct CO₂ allowances from or transfer CO₂ allowances to a source's compliance account based on information in the submissions, as adjusted under III.B.7.f.(1) of this section. [46.8.5(f)(2)]

8. Banking

Each CO₂ allowance that is held in a compliance account or a general account will remain in such account unless and until the CO₂ allowance is deducted or

transferred under APC Regulation No. 46, section 46.7, subsection 46.11.2, condition III.B.7, or condition III.B.9. [46.8.6]

9. Account Error

The Department or its agent may, at its sole discretion and on his or her own motion, correct any error in any CO₂ Allowance Tracking System account. Within ten (10) business days of making such correction, the Department or its agent will notify the CO₂ authorized account representative for the account. [46.8.7]

10. Other Requirements

- a. The Department or its agent may review and conduct independent audits concerning any compliance certification or any other submission under the CO₂ Budget Trading Program and make appropriate adjustments of the information in the compliance certifications or other submissions. [46.11.2(a)]
- b. The Department or its agent may deduct CO₂ allowances from or transfer CO₂ allowances to a source's compliance account based on the information in the compliance certifications or other submissions, as adjusted under paragraph a of this subsection. [46.11.2(b)]
- c. Authorization and responsibilities of, changing of, objections concerning and delegation by the CO₂ authorized account representative and the alternate, changes in the owners and operators and matters concerning the account certificate of representation shall be conducted in accordance with APC Regulation No. 46, section 46.5. [46.5.1, 46.5.2, 46.5.3, 46.5.4, 46.5.5, 46.5.6, 46.5.7]
- d. The CO₂ Budget Trading Program portion of this permit is deemed to incorporate automatically the definition of terms under section 46.1 of APC Regulation No. 46. [46.6.1(c)]
- e. The CO₂ Budget Trading Program portion of this permit shall be modified in accordance with the procedures in Air Pollution Control Regulation No. 29. [46.6.4(a)]
- f. The CO₂ authorized account representative shall submit a complete CO₂ budget permit application under subsection 46.6.3 of APC regulation No. 46 in accordance with the provisions of Air Pollution Control Regulation No. 29 addressing permit renewals. [46.6.5(a)]

- g. The permittee shall not use any alternative to any requirement of 40 CFR Part 75 without having obtained prior written approval in accordance with subsection 46.10.5 of APC Regulation No. 46. [46.10.5]
- h. Any conditions included in Section III.B of this permit shall have the full force and effect of rules and regulations. [46.14.2]
- i. The permittee shall comply with all conditions included in Section III.B of this permit. [46.14.3]
- j. Failure to comply with any condition included in Section III. B of this permit shall be considered failure to comply with APC Regulation No. 46. [46.14.4]

C. Acid Rain

1. Sulfur Dioxide Requirements

- a. The permittee shall:
 - (1) Hold allowances, as of the allowance transfer deadline, in the compliance subaccount for G001 (after deductions under 40 CFR 73.34(c) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and [RI-PSD-5(I)(5)]
 - (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide. [40 CFR 72.9(c)(1)]
- b. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 72.9(c)(2)]
- c. G001 shall be subject to the requirements under paragraph a of this section starting January 17, 2001. [40 CFR 72.9(c)(3)(iii)]
- d. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program. [40 CFR 72.9(c)(4)]
- e. An allowance shall not be deducted in order to comply with the requirements under paragraph a of this section prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(c)(5)]
- f. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid

Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7, 72.8, or 72.14 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72.9(c)(6)]

- g. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72.9(c)(7)]

2. Monitoring Requirements

- a. The permittee and, to the extent applicable, the designated representative shall comply with the monitoring requirements as provided in 40 CFR Part 75. [40 CFR 72.9(b)(1)]
- b. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by G001 with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. [40 CFR 72.9(b)(2)]
- c. The requirements of 40 CFR part 75 shall not affect the responsibility of the permittee to monitor emissions of other pollutants or other emissions characteristics at G001 under other applicable requirements of the Act and other provisions of this operating permit. [40 CFR 72.9(b)(3)]

3. Excess Emissions Requirements

- a. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. [40 CFR 72.9(e)(1)]
- b. The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - (1) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (2) Comply with the terms of an approved offset plan, as required by 40 CFR part 77. [40 CFR 72.9(e)(2)]

4. Recordkeeping and Reporting Requirements

- a. Unless otherwise provided, the permittee shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or the Office of Air Resources:

- (1) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (4) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)]
- b. The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75. [40 CFR 72.9(f)(2)]

5. Liability

- a. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7, 72.8, or 72.14, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act. [40 CFR 72.9(g)(1)]
- b. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001. [40 CFR 72.9(g)(2)]
- c. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect. [40 CFR 72.9(g)(3)]

- d. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [40 CFR 72.9(g)(4)]
- e. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source. [40 CFR 72.9(g)(5)]
- f. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative. [40 CFR 72.9(g)(6)]
- g. Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by the permittee or designated representative of such source or unit, shall be a separate violation of the Act. [40 CFR 72.9(g)(7)]

6. Effect on Other Authorities

- a. No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7, 72.8, or 72.14 shall be construed as:
 - (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans; [40 CFR 72.9(h)(1)]
 - (2) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act; [40 CFR 72.9(h)(2)]
 - (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such

State regulation, or limiting such State regulation, including any prudence review requirements under such State law; [40 CFR 72.9(h)(3)]

- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; [40 CFR 72.9(h)(4)]
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established. [40 CFR 72.9(h)(5)]

D. 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.

The permittee shall implement the Risk Management Program that was summarized and submitted as a Risk Management Plan in accordance with 40 CFR 68 on May 17, 2000. The permittee shall make any necessary modifications to the Risk Management Program and submit an updated Risk Management Plan in accordance with 40 CFR 68 by May 17, 2005. The Risk Management Program must meet USEPA requirements and must include but is not limited to a Prevention Program, a Management System, an Offsite Consequence Analysis, and an Emergency Response Plan. In addition, the facility must comply with any additional requirements imposed by the State upon promulgation of State Regulations.

Your facility is also 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.